

## GFP Tag Polyclonal Antibody

Catalog Number A-11122

Product data sheet

Details		Species Reactivity	
Size	100 µL	Tested species reactivity	Tag
Host/Isotope	Rabbit / IgG	Published species reactivity	Rat, Sheep, Zebrafish, Mouse, Human, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	The GFP was isolated directly from the jellyfish <i>Aequorea victoria</i> .	Immunocytochemistry (ICC)	Assay Dependent
Conjugate	Unconjugated	Immunofluorescence (IF)	Assay Dependent
Form	Liquid	Immunohistochemistry (IHC)	Assay Dependent
Concentration	2 mg/ml	Western Blot (WB)	Assay Dependent
Purification	IgG fraction	Published Applications	
Storage buffer	PBS, pH 7.2	Immunohistochemistry (Frozen) (IHC (F))	See 53 publications below
Contains	5mM sodium azide	Western Blot (WB)	See 128 publications below
Storage Conditions	4° C	Immunocytochemistry (ICC)	See 146 publications below
		Immunohistochemistry (IHC)	See 231 publications below
		Miscellaneous PubMed (MISC)	See 90 publications below
		Immunohistochemistry (Paraffin) (IHC (P))	See 45 publications below
		Immunoprecipitation (IP)	See 33 publications below
		Immunohistochemistry - Free Floating (IHC (Free))	See 15 publications below
		ChIP assay (ChIP)	See 24 publications below
		Flow Cytometry (Flow)	See 2 publications below
		ELISA (ELISA)	See 1 publications below
		Immunofluorescence (IF)	See 1 publications below
		Blocking Assay (BLOCK)	See 1 publications below

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

### Background/Target Information

Epitope tags provide a method to localize gene products in a variety of cell types, study the topology of proteins and protein complexes, identify associated proteins, and characterize newly identified, low abundance or poorly immunogenic proteins when protein specific antibodies are not available. Green Fluorescent Protein (GFP) has quickly become a powerful research tool for assessing gene expression and subcellular protein distribution in fixed or living cells. GFP is excited by and brightly fluoresces when exposed to UV or blue light. This feature makes it ideal as a marker for use in fluorescence microscopy, cytometry, tagging fusion proteins, and assaying transcriptional regulation from gene promoters in vivo. Numerous GFP variants with enhanced and shifted emission spectra (blue, green, and yellow) have been developed through amino acid substitutions at specific residues.

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## PubMed References For GFP Tag Polyclonal Antibody

### 53 Immunohistochemistry (Frozen) References

Species / Dilution	Summary
	A-11122 was used in immunohistochemistry - frozen section to characterize mapping of PACAP-expressing neurons in high resolution with a PACAP-EGFP transgenic mouse model
Not Applicable / Not Cited	The Journal of comparative neurology (Dec 2016; 524: 3827) <b>"High-resolution characterization of a PACAP-EGFP transgenic mouse model for mapping PACAP-expressing neurons."</b> Author(s):Condro MC,Matynia A,Foster NN,Ago Y,Rajbhandari AK,Van C,Jayaram B,Parikh S,Diep AL,Nguyen E,May V, Dong HW,Waschek JA PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.24035">http://dx.doi.org/10.1002/cne.24035</a>
Not Applicable / 1:2000	A-11122 was used in immunohistochemistry - frozen section to discover the requirement for Bhlhb5 for the development of the dorsal cochlear nucleus by the Bhlhb5:flpo allele
	Developmental biology (Jun 2016; 414: 149) <b>"Bhlhb5::flpo allele uncovers a requirement for Bhlhb5 for the development of the dorsal cochlear nucleus."</b> Author(s):Cai X,Kardon AP,Snyder LM,Kuzirian MS,Minestro S,de Souza L,Rubio ME,Maricich SM,Ross SE PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2016.04.028">http://dx.doi.org/10.1016/j.ydbio.2016.04.028</a>
Not Applicable / 1:500	A-11122 was used in immunohistochemistry - frozen section to study the stress hormone responses to predator odours in a specific area of the olfactory cortex
	Nature (Apr 2016; 532: 103) <b>"A specific area of olfactory cortex involved in stress hormone responses to predator odours."</b> Author(s):Kondoh K,Lu Z,Ye X,Olson DP,Lowell BB,Buck LB PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature17156">http://dx.doi.org/10.1038/nature17156</a>
Not Applicable / 1:500	A-11122 was used in immunohistochemistry - frozen section to characterize the development of the non-mammalian brain through the evolution of basal progenitors
	Development (Cambridge, England) (Jan 2016; 143: 66) <b>"The evolution of basal progenitors in the developing non-mammalian brain."</b> Author(s):Nomura T,Ohtaka-Maruyama C,Yamashita W,Wakamatsu Y,Murakami Y,Calegari F,Suzuki K,Gotoh H,Ono K PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.127100">http://dx.doi.org/10.1242/dev.127100</a>
Not Applicable / 1:200	A-11122 was used in immunohistochemistry - frozen section and western blot to characterize Huntington's disease through a zebrafish model where the N17 domain mitigates nuclear toxicity
	Molecular neurodegeneration (Dec 2015; 10: null) <b>"The N17 domain mitigates nuclear toxicity in a novel zebrafish Huntington's disease model."</b> Author(s):Veldman MB,Rios-Galdamez Y,Lu XH,Gu X,Qin W,Li S,Yang XW,Lin S PubMed Article URL: <a href="http://dx.doi.org/10.1186/s13024-015-0063-2">http://dx.doi.org/10.1186/s13024-015-0063-2</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry - frozen section to study murine nasal passages to identify and analyze natural killer cells
	PLoS one (Nov 2015; 10: null) <b>"Identification and Analysis of Natural Killer Cells in Murine Nasal Passages."</b> Author(s):Okada K,Sato S,Sato A,Mandelboim O,Yamasoba T,Kiyono H PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0142920">http://dx.doi.org/10.1371/journal.pone.0142920</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry - frozen section to study the formation of nemaline bodies and their role in myopathy
	Acta neuropathologica (Sep 2015; 130: 389) <b>"Zebrafish models for nemaline myopathy reveal a spectrum of nemaline bodies contributing to reduced muscle function."</b> Author(s):Sztal TE,Zhao M,Williams C,Oorschot V,Parslow AC,Giousoh A,Yuen M,Hall TE,Costin A,Ramm G,Bird PI, Busch-Nentwich EM,Stemple DL,Currie PD,Cooper ST,Laing NG,Nowak KJ,Bryson-Richardson RJ PubMed Article URL: <a href="http://dx.doi.org/10.1007/s00401-015-1430-3">http://dx.doi.org/10.1007/s00401-015-1430-3</a>

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	A-11122 was used in immunohistochemistry - frozen section to determine the origins of fin mesenchyme and tail muscle in amphibians
Not Applicable / Not Cited	Scientific reports (Jun 2015; 5: null) <b>"Mesodermal origin of median fin mesenchyme and tail muscle in amphibian larvae."</b> Author(s):Taniguchi Y,Kurth T,Medeiros DM,Tazaki A,Ramm R,Epperlein HH PubMed Article URL: <a href="http://dx.doi.org/10.1038/srep11428">http://dx.doi.org/10.1038/srep11428</a>
	A-11122 was used in immunohistochemistry - frozen section to investigate mechanisms involved in maintaining radial glial scaffold integrity during development
Not Applicable / 1:800	The Journal of neuroscience : the official journal of the Society for Neuroscience (Jun 2015; 35: 9211) <b>"Chemokine Signaling Controls Integrity of Radial Glial Scaffold in Developing Spinal Cord and Consequential Proper Position of Boundary Cap Cells."</b> Author(s):Zhu Y,Matsumoto T,Nagasawa T,Mackay F,Murakami F PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.0156-15.2015">http://dx.doi.org/10.1523/JNEUROSCI.0156-15.2015</a>
	A-11122 was used in immunohistochemistry - frozen section to identify new gene integration loci for gene knock-in studies.
Not Applicable / 1:1000	Transgenic research (Jun 2015; 24: 549) <b>"Exploring new gene integration sites for gene knock-in by gene-trapping strategy."</b> Author(s):Nanchi I,Yoshimura Y,Nakamura K,Masago Y,Ohbayashi T,Okuda T PubMed Article URL: <a href="http://dx.doi.org/10.1007/s11248-015-9872-x">http://dx.doi.org/10.1007/s11248-015-9872-x</a>
	A-11122 was used in immunohistochemistry - frozen section to determine the role of the transcription factors, Nkx2.2 and Nkx2.9, in formation of branchial and visceral motor neurons
Not Applicable / 1:2000	PloS one (Apr 2015; 10: null) <b>"Nkx2.2 and Nkx2.9 are the key regulators to determine cell fate of branchial and visceral motor neurons in caudal hindbrain."</b> Author(s):Jarrar W,Dias JM,Ericson J,Arnold HH,Holz A PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0124408">http://dx.doi.org/10.1371/journal.pone.0124408</a>
	A-11122 was used in immunohistochemistry - frozen section to examine the lineages of Fgf8- versus Fgf17-expressing rostral patterning center cells
Not Applicable / Not Cited	Neural development (Mar 2015; 10: null) <b>"Fgf signaling controls the telencephalic distribution of Fgf-expressing progenitors generated in the rostral patterning center."</b> Author(s):Hoch RV,Clarke JA,Rubenstein JL PubMed Article URL: <a href="http://dx.doi.org/10.1186/s13064-015-0037-7">http://dx.doi.org/10.1186/s13064-015-0037-7</a>
	A-11122 was used in immunohistochemistry - frozen section to find the source of osteoblasts responsible for trabecular bone formation
Not Applicable / Not Cited	PLoS genetics (Dec 2014; 10: null) <b>"Chondrocytes transdifferentiate into osteoblasts in endochondral bone during development, postnatal growth and fracture healing in mice."</b> Author(s):Zhou X,von der Mark K,Henry S,Norton W,Adams H,de Crombrughe B PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1004820">http://dx.doi.org/10.1371/journal.pgen.1004820</a>
	A-11122 was used in immunohistochemistry - frozen section to test if N-catenin contributes to neural crest cell migration and formation of the cranial ganglia.
Not Applicable / 1:250	Developmental biology (Aug 2014; 392: 295) <b>"Migratory neural crest cell <math>\gamma</math>N-catenin impacts chick trigeminal ganglia formation."</b> Author(s):Wu CY,Hooper RM,Han K,Taneyhill LA PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2014.05.016">http://dx.doi.org/10.1016/j.ydbio.2014.05.016</a>
	A-11122 was used in immunohistochemistry - frozen section to investigate the role of Dbx1 in neurogenesis in zebrafish
Not Applicable / 1:5000	Experimental neurology (Jun 2014; 256: 81) <b>"Radial glial progenitors repair the zebrafish spinal cord following transection."</b> Author(s):Briona LK,Dorsky RI PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.expneurol.2014.03.017">http://dx.doi.org/10.1016/j.expneurol.2014.03.017</a>

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	A-11122 was used in immunohistochemistry - frozen section to show that muscle-invasive bladder carcinomas arise exclusively from Sonic hedgehog-expressing stem cells in basal urothelium
Not Applicable / 1:1000	Nature cell biology (May 2014; 16: 469) <b>"Cellular origin of bladder neoplasia and tissue dynamics of its progression to invasive carcinoma."</b> Author(s):Shin K,Lim A,Odegaard JI,Honeycutt JD,Kawano S,Hsieh MH,Beachy PA PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2956">http://dx.doi.org/10.1038/ncb2956</a>
	A-11122 was used in immunohistochemistry - frozen section to characterize the expression of chondroitinase ABC delivery by an adenovirus vector to the central nervous system.
Not Applicable / 1:400	Journal of neuroscience methods (Apr 2014; 227: 107) <b>"AAV vector-mediated secretion of chondroitinase provides a sensitive tracer for axonal arborisations."</b> Author(s):Alves JN,Muir EM,Andrews MR,Ward A,Michelmor N,Dasgupta D,Verhaagen J,Moloney EB,Keynes RJ,Fawcett JW,Rogers JH PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jneumeth.2014.02.010">http://dx.doi.org/10.1016/j.jneumeth.2014.02.010</a>
	A-11122 was used in immunohistochemistry - frozen section to investigate the role of TrkA in the development of Ret+ and TrkC+ fibers
Not Applicable / 1:2000	PloS one (Mar 2014; 9: null) <b>"Dual innervation of neonatal Merkel cells in mouse touch domes."</b> Author(s):Niu J,Vysochan A,Luo W PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0092027">http://dx.doi.org/10.1371/journal.pone.0092027</a>
	A-11122 was used in immunohistochemistry - frozen section to study mouse hair follicles and the organization and structure of lanceolate mechanosensory complexes
Not Applicable / 1:1000	eLife (Feb 2014; 3: null) <b>"The structure and organization of lanceolate mechanosensory complexes at mouse hair follicles."</b> Author(s):Li L,Ginty DD PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.01901">http://dx.doi.org/10.7554/eLife.01901</a>
	A-11122 was used in immunohistochemistry - frozen section to use a SIP1-EGFP reporter mouse to study brain development.
Not Applicable / 1:250	Genesis (New York, N.Y. : 2000) (Jan 2014; 52: 56) <b>"SIP1 expression patterns in brain investigated by generating a SIP1-EGFP reporter knock-in mouse."</b> Author(s):Nishizaki Y,Takagi T,Matsui F,Higashi Y PubMed Article URL: <a href="http://dx.doi.org/10.1002/dvg.22726">http://dx.doi.org/10.1002/dvg.22726</a>
	A-11122 was used in immunohistochemistry - frozen section to describe a combinatorial transcription factor code that defines nine different inhibitory and excitatory interneuron populations in laminae III-IV of the postnatal cord.
Not Applicable / 1:1000	PloS one (Nov 2013; 8: null) <b>"A transcription factor code defines nine sensory interneuron subtypes in the mechanosensory area of the spinal cord."</b> Author(s):Del Barrio MG,Bourane S,Grossmann K,Schüle R,Britsch S,O'Leary DD,Goulding M PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0077928">http://dx.doi.org/10.1371/journal.pone.0077928</a>
	A-11122 was used in immunohistochemistry - frozen section to describe the staining patterns in the Drosophila brain for ten mAbs of the Würzburg hybridoma library.
Not Applicable / 1:3000	PloS one (Sep 2013; 8: null) <b>"Identification and structural characterization of interneurons of the Drosophila brain by monoclonal antibodies of the würzburg hybridoma library."</b> Author(s):Blanco Redondo B,Redondo BB,Bunz M,Halder P,Sadanandappa MK,Mühlbauer B,Erwin F,Hofbauer A,Rodrigues V,VijayRaghavan K,Ramaswami M,Rieger D,Wegener C,Förster C,Buchner E PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0075420">http://dx.doi.org/10.1371/journal.pone.0075420</a>
	A-11122 was used in immunohistochemistry - frozen section to demonstrate that S size determined the resolution and completeness of body maps.
Not Applicable / 1:1000	Nature neuroscience (Aug 2013; 16: 1060) <b>"Sensory cortex limits cortical maps and drives top-down plasticity in thalamocortical circuits."</b> Author(s):Zembrzycki A,Chou SJ,Ashery-Padan R,Stoykova A,O'Leary DD PubMed Article URL: <a href="http://dx.doi.org/10.1038/nn.3454">http://dx.doi.org/10.1038/nn.3454</a>

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Not Applicable / Not Cited	<p>A-11122 was used in immunohistochemistry - frozen section to study the use of the Sleeping beauty transposon for germline transgenesis in mice, rats, and rabbits.</p> <hr/> <p>FASEB journal : official publication of the Federation of American Societies for Experimental Biology (Mar 2013; 27: 930)  <b>"Transposon-mediated transgenesis, transgenic rescue, and tissue-specific gene expression in rodents and rabbits."</b></p> <p>Author(s):Katter K,Geurts AM,Hoffmann O,Mátés L,Landa V,Hiripi L,Moreno C,Lazar J,Bashir S,Zidek V,Popova E,Jerchow B,Becker K,Devaraj A,Walter I,Grzybowksi M,Corbett M,Filho AR,Hodges MR,Bader M,Ivics Z,Jacob HJ,Pravenec M,Bosze Z,Rülicke T,Izsvák Z  PubMed Article URL:<a href="http://dx.doi.org/10.1096/fj.12-205526">http://dx.doi.org/10.1096/fj.12-205526</a></p>
Not Applicable / 1:200	<p>A-11122 was used in immunohistochemistry - frozen section to use LVV-based insertional mutagenesis to identify liver cancer-associated genes.</p> <hr/> <p>Nature methods (Feb 2013; 10: 155)  <b>"Lentiviral vector-based insertional mutagenesis identifies genes associated with liver cancer."</b></p> <p>Author(s):Ranzani M,Cesana D,Bartholomae CC,Sanvito F,Pala M,Benedicenti F,Gallina P,Sergi LS,Merella S,Bulfone A,Dogliani C,von Kalle C,Kim YJ,Schmidt M,Tonon G,Naldini L,Montini E  PubMed Article URL:<a href="http://dx.doi.org/10.1038/nmeth.2331">http://dx.doi.org/10.1038/nmeth.2331</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in immunohistochemistry - frozen section to study the cellular hierarchy that governs prostate postnatal development.</p> <hr/> <p>Nature cell biology (Nov 2012; 14: 1131)  <b>"Multipotent and unipotent progenitors contribute to prostate postnatal development."</b></p> <p>Author(s):Ousset M, Van Keymeulen A,Bouvenecourt G,Sharma N,Achouri Y,Simons BD,Blanpain C  PubMed Article URL:<a href="http://dx.doi.org/10.1038/ncb2600">http://dx.doi.org/10.1038/ncb2600</a></p>
Not Applicable / 1:10000	<p>A-11122 was used in immunohistochemistry - frozen section to elucidate molecular cues that GnRH neurites use to grow and navigate to the median eminence.</p> <hr/> <p>PloS one (Oct 2012; 7: null)  <b>"Netrin-1 stimulates developing GnRH neurons to extend neurites to the median eminence in a calcium- dependent manner."</b></p> <p>Author(s):Low VF,Fiorini Z,Fisher L,Jasoni CL  PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0046999">http://dx.doi.org/10.1371/journal.pone.0046999</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in immunohistochemistry - frozen section to describe a transcriptional program that controls Renshaw cell differentiation.</p> <hr/> <p>Development (Cambridge, England) (Jan 2012; 139: 179)  <b>"Renshaw cell interneuron specialization is controlled by a temporally restricted transcription factor program."</b></p> <p>Author(s):Stam FJ,Hendricks TJ,Zhang J,Geiman EJ,Francius C,Labosky PA,Clotman F,Goulding M  PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.071134">http://dx.doi.org/10.1242/dev.071134</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in immunohistochemistry - frozen section to examine the acute effect of ethanol on spontaneous firing and GABAergic transmission at molecular layer interneurons in the cerebellar cortex.</p> <hr/> <p>Alcohol and alcoholism (Oxford, Oxfordshire) (Dec 2011; 47: 1)  <b>"Ethanol increases GABAergic transmission and excitability in cerebellar molecular layer interneurons from GAD67-GFP knock-in mice."</b></p> <p>Author(s):Wadleigh A,Valenzuela CF  PubMed Article URL:<a href="http://dx.doi.org/10.1093/alcac/agr147">http://dx.doi.org/10.1093/alcac/agr147</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in immunohistochemistry - frozen section to report an effect of deoxynivalenol on feeding behavior</p> <hr/> <p>PloS one (Oct 2011; 6: null)  <b>"The food-contaminant deoxynivalenol modifies eating by targeting anorexigenic neurocircuitry."</b></p> <p>Author(s):Girardet C,Bonnet MS,Jdir R,Sadoud M,Thirion S,Tardivel C,Roux J,Lebrun B,Wanaverbecq N,Mounien L,Trousard J,Jean A,Dallaporta M,Troadece JD  PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0026134">http://dx.doi.org/10.1371/journal.pone.0026134</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in immunohistochemistry - frozen section to study the role of Rhou in development.</p> <hr/> <p>Development (Cambridge, England) (Oct 2011; 138: 4511)  <b>"Rhou maintains the epithelial architecture and facilitates differentiation of the foregut endoderm."</b></p> <p>Author(s):Loebel DA,Studdert JB,Power M,Radziewicz T,Jones V,Coultas L,Jackson Y,Rao RS,Steiner K,Fossat N,Robb L,Tam PP  PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.063867">http://dx.doi.org/10.1242/dev.063867</a></p>

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	A-11122 was used in immunohistochemistry - frozen section to explore how the RB/E2F pathway regulate Rb transcription
Not Applicable / 1:200	Molecular and cellular biology (Apr 2010; 30: 1729) <b>"Regulation of RB transcription in vivo by RB family members."</b> Author(s):Burkhart DL,Ngai LK,Roake CM,Viatour P,Thangavel C,Ho VM,Knudsen ES,Sage J PubMed Article URL: <a href="http://dx.doi.org/10.1128/MCB.00952-09">http://dx.doi.org/10.1128/MCB.00952-09</a>
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Not Applicable / Not Cited	Cancer letters (Aug 2009; 281: 32) <b>"Human mesenchymal stem cells (hMSCs) target osteosarcoma and promote its growth and pulmonary metastasis."</b> Author(s):Xu WT,Bian ZY,Fan QM,Li G,Tang TT PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.canlet.2009.02.022">http://dx.doi.org/10.1016/j.canlet.2009.02.022</a>
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Not Applicable / 1:500	Genesis (New York, N.Y. : 2000) (Jul 2009; 47: 476) <b>"Generation of a mouse line expressing Sox17-driven Cre recombinase with specific activity in arteries."</b> Author(s):Liao WP,Uetzmann L,Burtscher I,Lickert H PubMed Article URL: <a href="http://dx.doi.org/10.1002/dvg.20520">http://dx.doi.org/10.1002/dvg.20520</a>
	A-11122 was used in immunohistochemistry - frozen section and immunohistochemistry - paraffin section to ascertain the role of p107 using transgenic mice
Not Applicable / 1:200	Cell cycle (Georgetown, Tex.) (Aug 2008; 7: 2544) <b>"GFP reporter mice for the retinoblastoma-related cell cycle regulator p107."</b> Author(s):Burkhart DL,Viatour P,Ho VM,Sage J PubMed Article URL: <a href="http://dx.doi.org/10.4161/cc.7.16.6441">http://dx.doi.org/10.4161/cc.7.16.6441</a>
	A-11122 was used in immunohistochemistry - frozen section to study site-specific modification of AAV vector particles with targeting ligands and biophysical probes using biotin ligase
Not Applicable / Not Cited	Molecular therapy : the journal of the American Society of Gene Therapy (Aug 2008; 16: 1467) <b>"Site-specific modification of AAV vector particles with biophysical probes and targeting ligands using biotin ligase."</b>  Author(s):Stachler MD,Chen I,Ting AY,Bartlett JS PubMed Article URL: <a href="http://dx.doi.org/10.1038/mt.2008.129">http://dx.doi.org/10.1038/mt.2008.129</a>
	A-11122 was used in immunohistochemistry - frozen section to assess the effects of erythropoietin on angiogenesis
Not Applicable / Not Cited	The Journal of clinical investigation (Feb 2008; 118: 526) <b>"Erythropoietin deficiency decreases vascular stability in mice."</b> Author(s):Chen J,Connor KM,Aderman CM,Smith LE PubMed Article URL: <a href="http://dx.doi.org/10.1172/JCI33813">http://dx.doi.org/10.1172/JCI33813</a>
	A-11122 was used in immunohistochemistry - frozen section to elucidate how TRPM8 contributes to cold signaling
Not Applicable / 1:2000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Dec 2007; 27: 14147) <b>"Diversity in the neural circuitry of cold sensing revealed by genetic axonal labeling of transient receptor potential melastatin 8 neurons."</b> Author(s):Takashima Y,Daniels RL,Knowlton W,Teng J,Liman ER,McKemy DD PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.4578-07.2007">http://dx.doi.org/10.1523/JNEUROSCI.4578-07.2007</a>
	A-11122 was used in immunohistochemistry - frozen section to study the origin of cells that contribute to the development of the uterine endometrium during pregnancy
Not Applicable / 1:1000	Stem cells (Dayton, Ohio) (Nov 2007; 25: 2820) <b>"CD45-positive blood cells give rise to uterine epithelial cells in mice."</b> Author(s):Bratincsák A,Brownstein MJ,Cassiani-Ingoni R,Pastorino S,Szalayova I,Tóth ZE,Key S,Németh K,Pickel J,Mezey E PubMed Article URL: <a href="http://dx.doi.org/10.1634/stemcells.2007-0301">http://dx.doi.org/10.1634/stemcells.2007-0301</a>
	A-11122 was used in immunohistochemistry - frozen section to assess promotion of migration through repression of dendrite and axon growth by Dlx transcription factors
Not Applicable / 1:2000	Neuron (Jun 2007; 54: 873) <b>"Dlx transcription factors promote migration through repression of axon and dendrite growth."</b> Author(s):Cobos I,Borello U,Rubenstein JL PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.neuron.2007.05.024">http://dx.doi.org/10.1016/j.neuron.2007.05.024</a>

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	A-11122 was used in immunohistochemistry - frozen section to use transgenic mice that express a ChR2-YFP fusion protein in the central nervous system for in vivo activation and mapping of neural circuits
Not Applicable / 1:1000	Neuron (Apr 2007; 54: 205) <b>"In vivo light-induced activation of neural circuitry in transgenic mice expressing channelrhodopsin-2."</b> Author(s):Arenkiel BR,Peca J,Davison IG,Feliciano C,Deisseroth K,Augustine GJ,Ehlers MD,Feng G PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.neuron.2007.03.005">http://dx.doi.org/10.1016/j.neuron.2007.03.005</a>
	A-11122 was used in immunohistochemistry - frozen section to investigate transcription factors that contribute to pancreatic development
Not Applicable / 1:1000	Stem cells and development (Dec 2006; 15: 953) <b>"Generation and characterization of novel tetracycline-inducible pancreatic transcription factor-expressing murine embryonic stem cell lines."</b> Author(s):Vincent R,Treff N,Budde M,Kastenber Z,Odorico J PubMed Article URL: <a href="http://dx.doi.org/10.1089/scd.2006.15.953">http://dx.doi.org/10.1089/scd.2006.15.953</a>
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Not Applicable / 1:2000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Jun 2006; 26: 6924) <b>"Layer acquisition by cortical GABAergic interneurons is independent of Reelin signaling."</b> Author(s):Pla R,Borrell V,Flames N,Marín O PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.0245-06.2006">http://dx.doi.org/10.1523/JNEUROSCI.0245-06.2006</a>
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Not Applicable / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (Mar 2006; 103: 4988) <b>"Chx10 is required to block photoreceptor differentiation but is dispensable for progenitor proliferation in the postnatal retina."</b> Author(s):Livne-Bar I,Pacal M,Cheung MC,Hankin M,Trogadis J,Chen D,Dorval KM,Bremner R PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.0600083103">http://dx.doi.org/10.1073/pnas.0600083103</a>
	A-11122 was used in immunohistochemistry - frozen section to study the formation in D1 and D2 dopamine receptor-containing medium spiny neurons in nucleus accumbens by cocaine-induced dendritic spine formation
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Not Applicable / Not Cited	The Journal of cell biology (Nov 2005; 171: 483) <b>"IGF-I increases bone marrow contribution to adult skeletal muscle and enhances the fusion of myelomonocytic precursors."</b> Author(s):Sacco A,Doyonnas R,LaBarge MA,Hammer MM,Kraft P,Blau HM PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.200506123">http://dx.doi.org/10.1083/jcb.200506123</a>
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Not Applicable / Not Cited	The Journal of comparative neurology (Dec 2004; 480: 392) <b>"TrkC kinase expression in distinct subsets of cutaneous trigeminal innervation and nonneuronal cells."</b> Author(s):Fünfschilling U,Ng YG,Zang K,Miyazaki J,Reichardt LF,Rice FL PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.20359">http://dx.doi.org/10.1002/cne.20359</a>
	A-11122 was used in immunohistochemistry - frozen section to describe the spatial- and tissue-specific functions of Gata2 in the developing urogenital system
Not Applicable / 1:1000-1:2000	Molecular and cellular biology (Dec 2004; 24: 10263) <b>"Multiple, distant Gata2 enhancers specify temporally and tissue-specific patterning in the developing urogenital system."</b> Author(s):Khandekar M,Suzuki N,Lewton J,Yamamoto M,Engel JD PubMed Article URL: <a href="http://dx.doi.org/10.1128/MCB.24.23.10263-10276.2004">http://dx.doi.org/10.1128/MCB.24.23.10263-10276.2004</a>

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	A-11122 was used in immunohistochemistry - frozen section to examine Chx10 regulation and function
Not Applicable / 1:1000	Developmental biology (Jul 2004; 271: 388) <b>"Genetic analysis of the homeodomain transcription factor Chx10 in the retina using a novel multifunctional BAC transgenic mouse reporter."</b> Author(s):Rowan S,Cepko CL PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2004.03.039">http://dx.doi.org/10.1016/j.ydbio.2004.03.039</a>
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Not Applicable / 1:2000	Nature cell biology (Nov 2003; 5: 959) <b>"Stable reprogrammed heterokaryons form spontaneously in Purkinje neurons after bone marrow transplant."</b> Author(s):Weimann JM,Johansson CB,Trejo A,Blau HM PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb1053">http://dx.doi.org/10.1038/ncb1053</a>
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Not Applicable / Not Cited	Human gene therapy (Aug 2003; 14: 1193) <b>"In vivo targeting of tumor endothelial cells by systemic delivery of lentiviral vectors."</b> Author(s):De Palma M,Venneri MA,Naldini L PubMed Article URL: <a href="http://dx.doi.org/10.1089/104303403322168028">http://dx.doi.org/10.1089/104303403322168028</a>
	A-11122 was used in immunohistochemistry - frozen section to study the contribution to tumor neovasculature and restriction in tumor growth in mice when modified to express an angiogenesis inhibitor by bone marrow-derived cells
Not Applicable / 1:200	Clinical cancer research : an official journal of the American Association for Cancer Research (Sep 2001; 7: 2870) <b>"Bone marrow-derived cells contribute to tumor neovasculature and, when modified to express an angiogenesis inhibitor, can restrict tumor growth in mice."</b> Author(s):Davidoff AM,Ng CY,Brown P,Leary MA,Spurbeck WW,Zhou J,Horwitz E,Vanin EF,Nienhuis AW PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
<b>128 Western Blot References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	A-11122 was used in ChIP assay and western blot to study the interaction of LHP1 to repress KNOX genes in arabidopsis with transcription factors AS1 and AS2
Not Applicable / Not Cited	Journal of integrative plant biology (Dec 2016; 58: 959) <b>"Transcription factors AS1 and AS2 interact with LHP1 to repress KNOX genes in Arabidopsis."</b> Author(s):Li Z,Li B,Liu J,Guo Z,Liu Y,Li Y,Shen WH,Huang Y,Huang H,Zhang Y,Dong A PubMed Article URL: <a href="http://dx.doi.org/10.1111/jipb.12485">http://dx.doi.org/10.1111/jipb.12485</a>
	A-11122 was used in western blot to determine regulation of APP trafficking and processing through the endocytic adaptor protein Numb by the polarity protein Par3
Not Applicable / 1:1000	Neurobiology of disease (Sep 2016; 93: 1) <b>"The polarity protein Par3 regulates APP trafficking and processing through the endocytic adaptor protein Numb."</b> Author(s):Sun M,Asghar SZ,Zhang H PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.nbd.2016.03.022">http://dx.doi.org/10.1016/j.nbd.2016.03.022</a>
	A-11122 was used in western blot to investigate the drive of gamma-tubulin ring complex assembly due to higher-order oligomerization of Spc110p
Not Applicable / 1:4000	Molecular biology of the cell (Jul 2016; 27: 2245) <b>"Higher-order oligomerization of Spc110p drives γ-tubulin ring complex assembly."</b> Author(s):Lyon AS,Morin G,Moritz M,Yabut KC,Vojnar T,Zelter A,Muller E,Davis TN,Agard DA PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E16-02-0072">http://dx.doi.org/10.1091/mbc.E16-02-0072</a>

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Not Applicable / 1:2000	BMC evolutionary biology (Apr 2016; 16: null) <b>"Functional test of PCDHB11, the most human-specific neuronal surface protein."</b> Author(s):de Freitas GB,Gonçalves RA,Gralle M PubMed Article URL: <a href="http://dx.doi.org/10.1186/s12862-016-0652-x">http://dx.doi.org/10.1186/s12862-016-0652-x</a>
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Not Applicable / Not Cited	Scientific reports (Mar 2016; 6: null) <b>"Functionally different <math>\alpha</math>-synuclein inclusions yield insight into Parkinson's disease pathology."</b> Author(s):Raiss CC,Braun TS,Konings IB,Grabmayr H,Hassink GC,Sidhu A,le Feber J,Bausch AR,Jansen C,Subramaniam V, Claessens MM PubMed Article URL: <a href="http://dx.doi.org/10.1038/srep23116">http://dx.doi.org/10.1038/srep23116</a>
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Not Applicable / Not Cited	Nature communications (Mar 2016; 7: null) <b>"GSG1L suppresses AMPA receptor-mediated synaptic transmission and uniquely modulates AMPA receptor kinetics in hippocampal neurons."</b> Author(s):Gu X,Mao X,Lussier MP,Hutchison MA,Zhou L,Hamra FK,Roche KW,Lu W PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncomms10873">http://dx.doi.org/10.1038/ncomms10873</a>
	A-11122 was used in western blot to characterize a discrete flagellum attachment zone found in the Leishmania life cycle during flagellar pocket restructuring
Not Applicable / 1:2000	Journal of cell science (Feb 2016; 129: 854) <b>"Flagellar pocket restructuring through the Leishmania life cycle involves a discrete flagellum attachment zone."</b> Author(s):Wheeler RJ,Sunter JD,Gull K PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.183152">http://dx.doi.org/10.1242/jcs.183152</a>
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Not Applicable / 1:2000	eLife (Jan 2016; 5: null) <b>"Kindlin-2 cooperates with talin to activate integrins and induces cell spreading by directly binding paxillin."</b> Author(s):Theodosiou M,Widmaier M,Böttcher RT,Rognoni E,Veelders M,Bharadwaj M,Lambacher A,Austen K,Müller DJ,Zent R,Fässler R PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.10130">http://dx.doi.org/10.7554/eLife.10130</a>
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Not Applicable / 1:500	Journal of cell science (Jan 2016; 129: 367) <b>"Srv2/CAP is required for polarized actin cable assembly and patch internalization during clathrin-mediated endocytosis."</b> Author(s):Toshima JY,Horikomi C,Okada A,Hatori MN,Nagano M,Masuda A,Yamamoto W,Siekhaus DE,Toshima J PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.176651">http://dx.doi.org/10.1242/jcs.176651</a>
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Not Applicable / Not Cited	Histochemistry and cell biology (Jan 2016; 145: 5) <b>"A novel interaction between ATOH8 and PPP3CB."</b> Author(s):Chen J,Balakrishnan-Renuka A,Hagemann N,Theiss C,Chankiewicz V,Chen J,Pu Q,Erdmann KS,Brand-Saberi B PubMed Article URL: <a href="http://dx.doi.org/10.1007/s00418-015-1368-5">http://dx.doi.org/10.1007/s00418-015-1368-5</a>
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	A-11122 was used in western blot to investigate the role of the EXX2E2R motif.
Not Applicable / Not Cited	Plant and cell physiology (Dec 2015; 56: 2340) <b>"A Functional EXXEK Motif is Essential for Proton Coupling and Active Glucosinolate Transport by NPF2.11."</b> Author(s):Jørgensen ME,Olsen CE,Geiger D,Mirza O,Halkier BA,Nour-Eldin HH PubMed Article URL: <a href="http://dx.doi.org/10.1093/pcp/pcv145">http://dx.doi.org/10.1093/pcp/pcv145</a>
	A-11122 was used in western blot to investigate how to regulate transgene expression in viral gene therapy vectors+ B937B900:B953B900:B956D95B900:B92B900:B957B900:B956B900:B955B900:B954B900:B953B900:B952B900:B95B900: B952B900:B95B900:B950.
Not Applicable / Not Cited	Gene therapy (Nov 2015; 22: 883) <b>"Tightly regulated 'all-in-one' lentiviral vectors for protection of human hematopoietic cells from anticancer chemotherapy."</b> Author(s):Lachmann N,Brennig S,Hillje R,Schermeier H,Phaltane R,Dahlmann J,Gruh I,Heinz N,Schiedlmeier B,Baum C, Moritz T PubMed Article URL: <a href="http://dx.doi.org/10.1038/gt.2015.61">http://dx.doi.org/10.1038/gt.2015.61</a>
	A-11122 was used in western blot to investigate the pathways responsible for the epithelial-mesenchymal transition in cells deficient for Cyclin A2
Not Applicable / 1:200	Carcinogenesis (Aug 2015; 36: 914) <b>"Cyclin A2 modulates EMT via <math>\beta</math>-catenin and phospholipase C pathways."</b> Author(s):Cheung CT,Bendris N,Paul C,Hamieh A,Anouar Y,Hahne M,Blanchard JM,Lemmers B PubMed Article URL: <a href="http://dx.doi.org/10.1093/carcin/bgv069">http://dx.doi.org/10.1093/carcin/bgv069</a>
	A-11122 was used in western blot to examine the effects of Kidins220 ablation on neuronal excitability.
Not Applicable / Not Cited	The Journal of biological chemistry (Jul 2015; 290: 18045) <b>"Functional Interaction between the Scaffold Protein Kidins220/ARMS and Neuronal Voltage-Gated Na<sup>+</sup> Channels."</b> Author(s):Cesca F,Satapathy A,Ferreira E,Nieus T,Benfenati F,Scholz-Starke J PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M115.654699">http://dx.doi.org/10.1074/jbc.M115.654699</a>
	A-11122 was used in western blot to describe the structure of the mammalian PFK1 tetramer.
Not Applicable / Not Cited	Nature (Jul 2015; 523: 111) <b>"Structures of human phosphofructokinase-1 and atomic basis of cancer-associated mutations."</b> Author(s):Webb BA,Forouhar F,Szu FE,Seetharaman J,Tong L,Barber DL PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature14405">http://dx.doi.org/10.1038/nature14405</a>
	A-11122 was used in western blot to report the role of MAD2L2 in DNA repair at mammalian telomeres.
Not Applicable / 1:500	Nature (May 2015; 521: 537) <b>"MAD2L2 controls DNA repair at telomeres and DNA breaks by inhibiting 5' end resection."</b> Author(s):Boersma V,Moatti N,Segura-Bayona S,Peuscher MH,van der Torre J,Wevers BA,Orthwein A,Durocher D,Jacobs JJ PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature14216">http://dx.doi.org/10.1038/nature14216</a>
	A-11122 was used in western blot to use an atypical RNAi to moderately suppress alpha-synuclein gene expression.
Not Applicable / 1:1000	Molecular therapy. Nucleic acids (May 2015; 4: null) <b>"Normalization of Overexpressed <math>\alpha</math>-Synuclein Causing Parkinson's Disease By a Moderate Gene Silencing With RNA Interference."</b> Author(s):Takahashi M,Suzuki M,Fukuoka M,Fujikake N,Watanabe S,Murata M,Wada K,Nagai Y,Hohjoh H PubMed Article URL: <a href="http://dx.doi.org/10.1038/mtna.2015.14">http://dx.doi.org/10.1038/mtna.2015.14</a>
	A-11122 was used in western blot to describe a strategy for repairing the transcript of the rhodopsin gene using spliceosome-mediated RNA trans-splicing.
Not Applicable / 1:2000	Molecular therapy : the journal of the American Society of Gene Therapy (May 2015; 23: 918) <b>"Repair of rhodopsin mRNA by spliceosome-mediated RNA trans-splicing: a new approach for autosomal dominant retinitis pigmentosa."</b> Author(s):Berger A,Lorain S,Joséphine C,Desrosiers M,Peccate C,Voit T,Garcia L,Sahel JA,Bemelmans AP PubMed Article URL: <a href="http://dx.doi.org/10.1038/mt.2015.11">http://dx.doi.org/10.1038/mt.2015.11</a>
	A-11122 was used in western blot to analyze a reduction of microtubule plus end association in the nervous system by Drosophila CLIP-190 and mammalian CLIP-170
Not Applicable / 1:500	Molecular biology of the cell (Apr 2015; 26: 1491) <b>"Drosophila CLIP-190 and mammalian CLIP-170 display reduced microtubule plus end association in the nervous system."</b> Author(s):Beaven R,Dzhindzhev NS,Qu Y,Hahn I,Dajas-Bailador F,Ohkura H,Prokop A PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E14-06-1083">http://dx.doi.org/10.1091/mbc.E14-06-1083</a>

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	A-11122 was used in western blot to assess the role of the N terminus of pro-EMAP II in protein-protein interactions.
Not Applicable / Not Cited	<p>The Journal of biological chemistry (Apr 2015; 290: 9753)</p> <p><b>"The N terminus of pro-endothelial monocyte-activating polypeptide II (EMAP II) regulates its binding with the C terminus, arginyl-tRNA synthetase, and neurofilament light protein."</b></p> <p>Author(s):Xu H,Malinin NL,Awasthi N,Schwarz RE,Schwarz MA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M114.630533">http://dx.doi.org/10.1074/jbc.M114.630533</a></p>
Not Applicable / 1:500	<p>A-11122 was used in western blot to study duodenal adenomas in leucine-rich repeats and immunoglobulin-like domains 1 -/- mice.</p> <p>The American journal of pathology (Apr 2015; 185: 1123)</p> <p><b>"Loss of Lrig1 leads to expansion of Brunner glands followed by duodenal adenomas with gastric metaplasia."</b></p> <p>Author(s):Wang Y,Shi C,Lu Y,Poulin EJ,Franklin JL,Coffey RJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.ajpath.2014.12.014">http://dx.doi.org/10.1016/j.ajpath.2014.12.014</a></p>
Not Applicable / 1:3000	<p>A-11122 was used in immunohistochemistry and western blot to elucidate the contributions of Kid and CENP-E in chromosome congression.</p> <p>Nature communications (Mar 2015; 6: null)</p> <p><b>"Chromokinesin Kid and kinetochore kinesin CENP-E differentially support chromosome congression without end-on attachment to microtubules."</b></p> <p>Author(s):Iemura K,Tanaka K</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/ncomms7447">http://dx.doi.org/10.1038/ncomms7447</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in western blot to study regulation of selective autophagic clearance of protein aggregates due to proteotoxic stress inducing phosphorylation of p62/SQSTM1 by ULK1</p> <p>PLoS genetics (Feb 2015; 11: null)</p> <p><b>"Proteotoxic stress induces phosphorylation of p62/SQSTM1 by ULK1 to regulate selective autophagic clearance of protein aggregates."</b></p> <p>Author(s):Lim J,Lachenmayer ML,Wu S,Liu W,Kundu M,Wang R,Komatsu M,Oh YJ,Zhao Y,Yue Z</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.1004987">http://dx.doi.org/10.1371/journal.pgen.1004987</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in western blot to determine STIM1 conformation and Orai1 gating by translocation between PI(4,5)P2-poor and PI(4,5)P2-rich microdomains during store depletion</p> <p>Nature communications (Dec 2014; 5: null)</p> <p><b>"Translocation between PI(4,5)P2-poor and PI(4,5)P2-rich microdomains during store depletion determines STIM1 conformation and Orai1 gating."</b></p> <p>Author(s):Mal��th J,Choi S,Muallem S,Ahuja M</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/ncomms6843">http://dx.doi.org/10.1038/ncomms6843</a></p>
Not Applicable / 1:2000	<p>A-11122 was used in western blot to identify vesicular trafficking components in plants that contribute to immunity</p> <p>PLoS pathogens (Dec 2014; 10: null)</p> <p><b>"Loss of Arabidopsis thaliana Dynamin-Related Protein 2B reveals separation of innate immune signaling pathways."</b></p> <p>Author(s):Smith JM,Leslie ME,Robinson SJ,Korasick DA,Zhang T,Backues SK,Cornish PV,Koo AJ,Bednarek SY,Heese A</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.ppat.1004578">http://dx.doi.org/10.1371/journal.ppat.1004578</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in western blot to describe a graduate laboratory course on protein purification</p> <p>Biochemistry and molecular biology education : a bimonthly publication of the International Union of Biochemistry and Molecular Biology (Nov 2014; 42: 486)</p> <p><b>"An adaptable investigative graduate laboratory course for teaching protein purification."</b></p> <p>Author(s):Carroll CW,Keller LC</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/bmb.20827">http://dx.doi.org/10.1002/bmb.20827</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in immunoprecipitation and western blot to assess the differences between two Lrig1 antibodies using intestinal samples.</p> <p>Stem cell research (Nov 2014; 13: 422)</p> <p><b>"Using a new Lrig1 reporter mouse to assess differences between two Lrig1 antibodies in the intestine."</b></p> <p>Author(s):Poulin EJ,Powell AE,Wang Y,Li Y,Franklin JL,Coffey RJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.scr.2014.09.002">http://dx.doi.org/10.1016/j.scr.2014.09.002</a></p>

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	A-11122 was used in western blot to describe methods to measure the nuclear rxYFP redox state in human cells by a redox Western blot technique.
Not Applicable / Not Cited	Methods in molecular biology (Clifton, N.J.) (Oct 2014; 1228: 159) <b>"A redox-sensitive yellow fluorescent protein sensor for monitoring nuclear glutathione redox dynamics."</b> Author(s):Banach-Latapy A,Dardalhon M,Huang ME PubMed Article URL: <a href="http://dx.doi.org/10.1007/978-1-4939-1680-1_13">http://dx.doi.org/10.1007/978-1-4939-1680-1_13</a>
	A-11122 was used in western blot to investigate the role of SR/RRM family proteins in cell cycle regulation
Not Applicable / 1:1000	Genetics (Oct 2014; 198: 617) <b>"Restraint of the G2/M transition by the SR/RRM family mRNA shuttling binding protein SNXHRB1 in Aspergillus nidulans."</b> Author(s):James SW,Banta T,Barra J,Ciraku L,Coile C,Cuda Z,Day R,Dixit C,Eastlack S,Giang A,Goode J,Guice A,Huff Y, Humbert S,Kelliher C,Kobie J,Kohlbrener E,Mwambutsa F,Orzechowski A,Shingler K,Spell C,Anglin SL PubMed Article URL: <a href="http://dx.doi.org/10.1534/genetics.114.167445">http://dx.doi.org/10.1534/genetics.114.167445</a>
	A-11122 was used in western blot to investigate the interaction of adipogenic transcriptional cofactor ZNF638 with splicing regulators and its effect on alternative splicing
Human / Not Cited	Journal of lipid research (Sep 2014; 55: 1886) <b>"The adipogenic transcriptional cofactor ZNF638 interacts with splicing regulators and influences alternative splicing."</b> Author(s):Du C,Ma X,Meruvu S,Hugendubler L,Mueller E PubMed Article URL: <a href="http://dx.doi.org/10.1194/jlr.M047555">http://dx.doi.org/10.1194/jlr.M047555</a>
	A-11122 was used in western blot to elucidate type I interferon-independent viral immune responses.
Not Applicable / Not Cited	Nature immunology (Aug 2014; 15: 717) <b>"Diverse intracellular pathogens activate type III interferon expression from peroxisomes."</b> Author(s):Odendall C,Dixit E,Stavru F,Bierne H,Franz KM,Durbin AF,Boulant S,Gehrke L,Cossart P,Kagan JC PubMed Article URL: <a href="http://dx.doi.org/10.1038/ni.2915">http://dx.doi.org/10.1038/ni.2915</a>
	A-11122 was used in western blot to describe how to use pH-sensitive fluorescently tagged P2X4 receptors to assess cell surface and total receptor pools
Not Applicable / 1:2000	The Journal of general physiology (Jul 2014; 144: 81) <b>"Imaging P2X4 receptor subcellular distribution, trafficking, and regulation using P2X4-pHluorin."</b> Author(s):Xu J,Chai H,Ehinger K,Egan TM,Srinivasan R,Frick M,Khakh BS PubMed Article URL: <a href="http://dx.doi.org/10.1085/jgp.201411169">http://dx.doi.org/10.1085/jgp.201411169</a>
	A-11122 was used in western blot to study how degradation of tail-anchored proteins requires cleavage by signal peptide peptidase
Not Applicable / Not Cited	The Journal of cell biology (Jun 2014; 205: 847) <b>"Cleavage by signal peptide peptidase is required for the degradation of selected tail-anchored proteins."</b> Author(s):Boname JM,Bloor S,Wandel MP,Nathan JA,Antrobus R,Dingwell KS,Thurston TL,Smith DL,Smith JC,Randow F, Lehner PJ PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201312009">http://dx.doi.org/10.1083/jcb.201312009</a>
	A-11122 was used in western blot to investigate the relationship between changes in arterial tone and altered blood pressure using BKbeta1 knockout mice.
Not Applicable / Not Cited	The Journal of physiology (Jun 2014; 592: 2563) <b>"Smooth muscle BK channel activity influences blood pressure independent of vascular tone in mice."</b> Author(s):Sachse G,Faulhaber J,Seniuk A,Ehmke H,Pongs O PubMed Article URL: <a href="http://dx.doi.org/10.1113/jphysiol.2014.272880">http://dx.doi.org/10.1113/jphysiol.2014.272880</a>
	A-11122 was used in western blot to study the differential roles of p53 and Beclin 1 in vertebrate Spns1 deficiency in regards to aberrant autolysosomal regulation and its link to embryonic senescence
Not Applicable / Not Cited	PLoS genetics (Jun 2014; 10: null) <b>"Aberrant autolysosomal regulation is linked to the induction of embryonic senescence: differential roles of Beclin 1 and p53 in vertebrate Spns1 deficiency."</b> Author(s):Sasaki T,Lian S,Qi J,Bayliss PE,Carr CE,Johnson JL,Guha S,Kobler P,Catz SD,Gill M,Jia K,Klionsky DJ,Kishi S PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1004409">http://dx.doi.org/10.1371/journal.pgen.1004409</a>

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	A-11122 was used in western blot to determine how SNARE-mediated exocytosis during axon branching is promoted by a novel Netrin-1 sensitive mechanism
Not Applicable / Not Cited	The Journal of cell biology (Apr 2014; 205: 217) <b>"A novel Netrin-1-sensitive mechanism promotes local SNARE-mediated exocytosis during axon branching."</b> Author(s):Winkle CC,McClain LM,Valtschanoff JG,Park CS,Maglione C,Gupton SL PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201311003">http://dx.doi.org/10.1083/jcb.201311003</a>
	A-11122 was used in western blot to elucidate the noncanonical function of UNG
Not Applicable / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (Mar 2014; 111: E1016) <b>"Differential regulation of S-region hypermutation and class-switch recombination by noncanonical functions of uracil DNA glycosylase."</b> Author(s):Yousif AS,Stanlie A,Mondal S,Honjo T,Begum NA PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1402391111">http://dx.doi.org/10.1073/pnas.1402391111</a>
	A-11122 was used in western blot to test if Nr5a2 functionally replaces Oct-4 in embryonic stem cells.
Not Applicable / Not Cited	The FEBS journal (Feb 2014; 281: 1029) <b>"The reprogramming factor nuclear receptor subfamily 5, group A, member 2 cannot replace octamer-binding transcription factor 4 function in the self-renewal of embryonic stem cells."</b> Author(s):Choi KW,Oh HR,Lee J,Lim B,Han YM,Oh J,Kim J PubMed Article URL: <a href="http://dx.doi.org/10.1111/febs.12665">http://dx.doi.org/10.1111/febs.12665</a>
	A-11122 was used in western blot to characterized the expression of IRAK4 in salmon, rainbow trout and maraena whitefish
Not Applicable / 1 ug/ml	Fish and shellfish immunology (Jan 2014; 36: 206) <b>"Characterization of the interleukin 1 receptor-associated kinase 4 (IRAK4)-encoding gene in salmonid fish: the functional copy is rearranged in Oncorhynchus mykiss and that factor can impair TLR signaling in mammalian cells."</b>  Author(s):Brietzke A,Goldammer T,Rebl H,Korytáček T,Köllner B,Yang W,Rebl A,Seyfert HM PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.fsi.2013.11.005">http://dx.doi.org/10.1016/j.fsi.2013.11.005</a>
	A-11122 was used in western blot to show that HLA-G regulates JEG-3 cell invasion by influencing STAT3 activation.
Not Applicable / 1:1000	Placenta (Nov 2013; 34: 1044) <b>"HLA-G regulates the invasive properties of JEG-3 choriocarcinoma cells by controlling STAT3 activation."</b> Author(s):Liu X,Gu W,Li X PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.placenta.2013.07.070">http://dx.doi.org/10.1016/j.placenta.2013.07.070</a>
	A-11122 was used in western blot to determine how interstrand crosslinker induced centrosome amplification by FancJ through the activation of polo-like kinase 1
Not Applicable / Not Cited	Biology open (Oct 2013; 2: 1022) <b>"FancJ regulates interstrand crosslinker induced centrosome amplification through the activation of polo-like kinase 1."</b> Author(s):Zou J,Tian F,Li J,Pickner W,Long M,Rezvani K,Wang H,Zhang D PubMed Article URL: <a href="http://dx.doi.org/10.1242/bio.20135801">http://dx.doi.org/10.1242/bio.20135801</a>
	A-11122 was used in western blot to study the role of polycomb repressive complex 2 in leukemia progression
Mouse / Not Cited	Blood (Oct 2013; 122: 2654) <b>"Polycomb repressive complex 2 (PRC2) suppresses E<math>\mu</math>-myc lymphoma."</b> Author(s):Lee SC,Phipson B,Hyland CD,Leong HS,Allan RS,Lun A,Hilton DJ,Nutt SL,Blewitt ME,Smyth GK,Alexander WS,Majewski IJ PubMed Article URL: <a href="http://dx.doi.org/10.1182/blood-2013-02-484055">http://dx.doi.org/10.1182/blood-2013-02-484055</a>
	A-11122 was used in western blot to show the regulatory response of Hugp to DNA damage and suggest its role as a negative effector of the MEC pathway.
Not Applicable / Not Cited	Biochemical and biophysical research communications (Oct 2013; 439: 443) <b>"Cytoplasmic localization of Hug1p, a negative regulator of the MEC1 pathway, coincides with the compartmentalization of Rnr2p-Rnr4p."</b> Author(s):Ainsworth WB,Hughes BT,Au WC,Sakelaris S,Kerscher O,Benton MG,Basrai MA PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bbrc.2013.08.089">http://dx.doi.org/10.1016/j.bbrc.2013.08.089</a>

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	A-11122 was used in western blot to examine the impact of cell cycle progression and DNA replication stress on actin nuclear localization in live cells.
Not Applicable / Not Cited	Biochimica et biophysica acta (Oct 2013; 1833: 2334) <b>"Stimulation of in vivo nuclear transport dynamics of actin and its co-factors IQGAP1 and Rac1 in response to DNA replication stress."</b> Author(s):Johnson MA,Sharma M,Mok MT,Henderson BR PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bbamcr.2013.06.002">http://dx.doi.org/10.1016/j.bbamcr.2013.06.002</a>
	A-11122 was used in western blot to study AF9-associated complexes.
Not Applicable / Not Cited	FEBS letters (Sep 2013; 587: 3038) <b>"CBX8, a component of the Polycomb PRC1 complex, modulates DOT1L-mediated gene expression through AF9/MLLT3."</b> Author(s):Malik B,Hemenway CS PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.febslet.2013.07.034">http://dx.doi.org/10.1016/j.febslet.2013.07.034</a>
	A-11122 was used in western blot to investigate the release of Trypanosoma brucei variant surface glycoprotein
Not Applicable / Not Cited	PLoS pathogens (Aug 2013; 9: null) <b>"Determinants of GPI-PLC localisation to the flagellum and access to GPI-anchored substrates in trypanosomes."</b> Author(s):Sunter J,Webb H,Carrington M PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.ppat.1003566">http://dx.doi.org/10.1371/journal.ppat.1003566</a>
	A-11122 was used in western blot to study smooth muscle splicing of Tpm.
Not Applicable / Not Cited	Nucleic acids research (May 2013; 41: 4765) <b>"MBNL1 and PTB cooperate to repress splicing of Tpm1 exon 3."</b> Author(s):Gooding C,Edge C,Lorenz M,Coelho MB,Winters M,Kaminski CF,Cherny D,Eperon IC,Smith CW PubMed Article URL: <a href="http://dx.doi.org/10.1093/nar/gkt168">http://dx.doi.org/10.1093/nar/gkt168</a>
	A-11122 was used in western blot to demonstrate that aminoglycosides cause cytosolic protein misfolding and that chaperonin GroEL/GroES overexpression counters this defect in bacteria.
Not Applicable / Not Cited	The Journal of biological chemistry (Apr 2013; 288: 10483) <b>"Chaperonins fight aminoglycoside-induced protein misfolding and promote short-term tolerance in Escherichia coli."</b> Author(s):Goltermann L,Good L,Bentin T PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M112.420380">http://dx.doi.org/10.1074/jbc.M112.420380</a>
	A-11122 was used in western blot to study iron acquisition by Streptococcus pneumoniae.
Not Applicable / 1:1000	Metallomics : integrated biometal science (Apr 2013; 5: 384) <b>"Streptococcus pneumoniae requires iron for its viability and expresses two membrane proteins that bind haemoglobin and haem."</b> Author(s):Romero-Espejel ME,González-López MA,Olivares-Trejo Jde J PubMed Article URL: <a href="http://dx.doi.org/10.1039/c3mt20244e">http://dx.doi.org/10.1039/c3mt20244e</a>
	A-11122 was used in western blot to investigate the effect of bullous pemphigoid IgG on BP180 internalization.
Human / Not Cited	The American journal of pathology (Mar 2013; 182: 828) <b>"Bullous pemphigoid IgG induces BP180 internalization via a macropinocytic pathway."</b> Author(s):Hiroyasu S,Ozawa T,Kobayashi H,Ishii M,Aoyama Y,Kitajima Y,Hashimoto T,Jones JC,Tsuruta D PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ajpath.2012.11.029">http://dx.doi.org/10.1016/j.ajpath.2012.11.029</a>
	A-11122 was used in western blot to investigate the transcriptional activity of HSF and HSF2 splicing isoforms.
Not Applicable / Not Cited	PloS one (Feb 2013; 8: null) <b>"Unraveling complex interplay between heat shock factor 1 and 2 splicing isoforms."</b> Author(s):Lecomte S,Reverdy L,Le Quément C,Le Masson F,Amon A,Le Goff P,Michel D,Christians E,Le Dréan Y PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0056085">http://dx.doi.org/10.1371/journal.pone.0056085</a>
	A-11122 was used in western blot to screen and identify proteins involved in relocating chromosomes to the nuclear periphery
Not Applicable / Not Cited	Genome biology (Feb 2013; 14: null) <b>"Specific nuclear envelope transmembrane proteins can promote the location of chromosomes to and from the nuclear periphery."</b> Author(s):Zuleger N,Boyle S,Kelly DA,de las Heras JI,Lazou V,Korfali N,Batrakou DG,Randles KN,Morris GE,Harrison DJ,Bickmore WA,Schirmer EC PubMed Article URL: <a href="http://dx.doi.org/10.1186/gb-2013-14-2-r14">http://dx.doi.org/10.1186/gb-2013-14-2-r14</a>

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	A-11122 was used in western blot to test if insulin therapy improves -cell function by alleviating ER-crowding.
Not Applicable / Not Cited	<p>PloS one (Feb 2013; 8: null)  <b>"Insulin therapy for pre-hyperglycemic beta-cell endoplasmic reticulum crowding."</b>            Author(s):Absood A,Gandomani B,Zaki A,Nasta V,Michail A,Habib PM,Hodish I            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0054351">http://dx.doi.org/10.1371/journal.pone.0054351</a></p>
	A-11122 was used in western blot to investigate the regulatory effect of UNC93B on nucleic acid-sensing Toll-like receptors.
Not Applicable / Not Cited	<p>The Journal of biological chemistry (Jan 2013; 288: 442)  <b>"The role of UNC93B1 protein in surface localization of TLR3 receptor and in cell priming to nucleic acid agonists."</b>            Author(s):Pohar J,Pirher N,Bençina M,Mançek-Keber M,Jerala R            PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M112.413922">http://dx.doi.org/10.1074/jbc.M112.413922</a></p>
	A-11122 was used in western blot to compare the use of adenoviruses and nanoparticles for gene therapy.
Not Applicable / 1:1000	<p>PloS one (Dec 2012; 7: null)  <b>"Comparative analysis of DNA nanoparticles and AAVs for ocular gene delivery."</b>            Author(s):Han Z,Conley SM,Makkia R,Guo J,Cooper MJ,Naash MI            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0052189">http://dx.doi.org/10.1371/journal.pone.0052189</a></p>
	A-11122 was used in western blot to characterize a novel SERPINA1 mutant from an asymptomatic Middle Eastern male with circulating alpha(1)AT deficiency
Not Applicable / 1:1000	<p>PloS one (Dec 2012; 7: null)  <b>"A novel SERPINA1 mutation causing serum alpha(1)-antitrypsin deficiency."</b>            Author(s):Saunders DN,Tindall EA,Shearer RF,Roberson J,Decker A,Wilson JA,Hayes VM            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0051762">http://dx.doi.org/10.1371/journal.pone.0051762</a></p>
	A-11122 was used in western blot to determine which domains and sequence motifs in KCTD proteins regulate desensitization of the receptor response.
Not Applicable / 1:1000	<p>The Journal of biological chemistry (Nov 2012; 287: 39869)  <b>"Opposite effects of KCTD subunit domains on GABA(B) receptor-mediated desensitization."</b>            Author(s):Seddik R,Jungblut SP,Silander OK,Rajalu M,Fritzius T,Besseyrias V,Jacquier V,Fakler B,Gassmann M,Bettler B            PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M112.412767">http://dx.doi.org/10.1074/jbc.M112.412767</a></p>
	A-11122 was used in western blot to characterize PATJ mutant epithelium
Not Applicable / 1:1000	<p>The Journal of cell biology (Nov 2012; 199: 685)  <b>"Drosophila PATJ supports adherens junction stability by modulating Myosin light chain activity."</b>            Author(s):Sen A,Nagy-Zsvér-Vadas Z,Krahn MP            PubMed Article URL:<a href="http://dx.doi.org/10.1083/jcb.201206064">http://dx.doi.org/10.1083/jcb.201206064</a></p>
	A-11122 was used in western blot to identify MOLO- at the Caenorhabditis elegans neuromuscular junction.
Not Applicable / Not Cited	<p>Nature neuroscience (Oct 2012; 15: 1374)  <b>"Positive modulation of a Cys-loop acetylcholine receptor by an auxiliary transmembrane subunit."</b>            Author(s):Boulin T,Rapti G,Briseño-Roa L,Stigloher C,Richmond JE,Paoletti P,Bessereau JL            PubMed Article URL:<a href="http://dx.doi.org/10.1038/nn.3197">http://dx.doi.org/10.1038/nn.3197</a></p>
	A-11122 was used in western blot to demonstrate the role for a dimerized TIR domain platform for the suppression and activation of the MyD88 signaling pathway.
Not Applicable / 1:1000	<p>The Journal of biological chemistry (Sep 2012; 287: 30993)  <b>"Toll/interleukin-1 receptor domain dimers as the platform for activation and enhanced inhibition of Toll-like receptor signaling."</b>            Author(s):Fekonja O,Bençina M,Jerala R            PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M112.376186">http://dx.doi.org/10.1074/jbc.M112.376186</a></p>
	A-11122 was used in western blot to elucidate how CAST/ERC2 regulates the calcium-dependent release of neurotransmitters.
Not Applicable / Not Cited	<p>Journal of biochemistry (Aug 2012; 152: 149)  <b>"Physical and functional interaction of the active zone protein CAST/ERC2 and the β-subunit of the voltage-dependent Ca(2+) channel."</b>            Author(s):Kiyonaka S,Nakajima H,Takada Y,Hida Y,Yoshioka T,Hagiwara A,Kitajima I,Mori Y,Ohtsuka T            PubMed Article URL:<a href="http://dx.doi.org/10.1093/jb/mvs054">http://dx.doi.org/10.1093/jb/mvs054</a></p>

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	A-11122 was used in western blot to elucidate enzymes involved in the biosynthesis of pectin.
Not Applicable / 1:5000	<p>Planta (Jul 2012; 236: 115)</p> <p><b>"ARAD proteins associated with pectic Arabinan biosynthesis form complexes when transiently overexpressed in planta."</b></p> <p>Author(s):Harholt J,Jensen JK,Verherbruggen Y,Søgaard C,Bernard S,Nafisi M,Poulsen CP,Geshi N,Sakuragi Y,Driouich A, Knox JP,Scheller HV</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1007/s00425-012-1592-3">http://dx.doi.org/10.1007/s00425-012-1592-3</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in western blot to report the crystal structure of interacting 2B regions from the central coiled-coil domains of keratins 5 and 4.</p> <p>Nature structural and molecular biology (Jun 2012; 19: 707)</p> <p><b>"Structural basis for heteromeric assembly and perinuclear organization of keratin filaments."</b></p> <p>Author(s):Lee CH,Kim MS,Chung BM,Leahy DJ,Coulombe PA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nsmb.2330">http://dx.doi.org/10.1038/nsmb.2330</a></p>
Not Applicable / 1:2000	<p>A-11122 was used in western blot to propose that NUA scaffolds AtMAD and AtMAD2 at the nuclear pore to form a functional complex in the Arabidopsis root meristem.</p> <p>Plant molecular biology (Jun 2012; 79: 203)</p> <p><b>"Functional interaction between the Arabidopsis orthologs of spindle assembly checkpoint proteins MAD1 and MAD2 and the nucleoporin NUA."</b></p> <p>Author(s):Ding D,Muthuswamy S,Meier I</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1007/s11103-012-9903-4">http://dx.doi.org/10.1007/s11103-012-9903-4</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in western blot to study the mechanism by which plasma membrane calcium-ATPase pump isoform 2 controls calcium signaling in neurons.</p> <p>The Journal of neuroscience : the official journal of the Society for Neuroscience (May 2012; 32: 6894)</p> <p><b>"PMCA2 via PSD-95 controls calcium signaling by <math>\zeta</math>7-containing nicotinic acetylcholine receptors on aspiny interneurons."</b></p> <p>Author(s):Gómez-Varela D,Schmidt M,Schoellerman J,Peters EC,Berg DK</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1523/JNEUROSCI.5972-11.2012">http://dx.doi.org/10.1523/JNEUROSCI.5972-11.2012</a></p>
Not Applicable / 1:2000	<p>A-11122 was used in western blot to study the cellular and molecular mechanisms underlying the role of non-neural ectoderm in Xenopus complete neural tube closure.</p> <p>Development (Cambridge, England) (Apr 2012; 139: 1417)</p> <p><b>"Cell movements of the deep layer of non-neural ectoderm underlie complete neural tube closure in Xenopus."</b></p> <p>Author(s):Morita H,Kajiura-Kobayashi H,Takagi C,Yamamoto TS,Nonaka S,Ueno N</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.073239">http://dx.doi.org/10.1242/dev.073239</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in western blot to elucidate the mechanisms of the Ser358Leu mutation in TMEM43 in arrhythmogenic right ventricular cardiomyopathy.</p> <p>BMC medical genetics (Mar 2012; 13: null)</p> <p><b>"Functional effects of the TMEM43 Ser358Leu mutation in the pathogenesis of arrhythmogenic right ventricular cardiomyopathy."</b></p> <p>Author(s):Rajkumar R,Sembrat JC,McDonough B,Seidman CE,Ahmad F</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1186/1471-2350-13-21">http://dx.doi.org/10.1186/1471-2350-13-21</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in western blot to develop a non-invasive method to study the membrane topologies of Golgi-resident proteins.</p> <p>PloS one (Feb 2012; 7: null)</p> <p><b>"GO-PROMTO illuminates protein membrane topologies of glycan biosynthetic enzymes in the Golgi apparatus of living tissues."</b></p> <p>Author(s):Søgaard C,Stenbæk A,Bernard S,Hadi M,Driouich A,Scheller HV,Sakuragi Y</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0031324">http://dx.doi.org/10.1371/journal.pone.0031324</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in western blot to identify amino acids needed for transport of nuclear myosin I into the nucleus.</p> <p>PloS one (Feb 2012; 7: null)</p> <p><b>"Specific nuclear localizing sequence directs two myosin isoforms to the cell nucleus in calmodulin-sensitive manner."</b></p> <p>Author(s):Dzijak R,Yildirim S,Kahle M,Novák P,Hnilicová J,Venit T,Hozák P</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0030529">http://dx.doi.org/10.1371/journal.pone.0030529</a></p>

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	A-11122 was used in western blot to report that Plk inhibition impairs DNA replication and slows S-phase progression in cancer cells.
Not Applicable / Not Cited	Molecular and cellular biology (Dec 2011; 31: 4844) <b>"Plk1 phosphorylation of Orc2 promotes DNA replication under conditions of stress."</b> Author(s):Song B,Liu XS,Davis K,Liu X PubMed Article URL: <a href="http://dx.doi.org/10.1128/MCB.06110-11">http://dx.doi.org/10.1128/MCB.06110-11</a>
	A-11122 was used in western blot to test the therapeutic effect of mesenchymal stem cells treatment following aortic injury in a porcine model.
Not Applicable / Not Cited	The Journal of surgical research (Sep 2011; 170: e179) <b>"Aortic implantation of mesenchymal stem cells after aneurysm injury in a porcine model."</b> Author(s):Turnbull IC,Hadri L,Rapti K,Sadek M,Liang L,Shin HJ,Costa KD,Marin ML,Hajjar RJ,Faries PL PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jss.2011.05.042">http://dx.doi.org/10.1016/j.jss.2011.05.042</a>
	A-11122 was used in western blot to examine the function of focal adhesion kinase in cortical interneurons and pyramidal cells .
Not Applicable / 1:1000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Aug 2011; 31: 11678) <b>"Focal adhesion kinase modulates radial glia-dependent neuronal migration through connexin-26."</b> Author(s):Valiente M,Ciceri G,Rico B,Marin O PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.2678-11.2011">http://dx.doi.org/10.1523/JNEUROSCI.2678-11.2011</a>
	A-11122 was used in western blot to report the capsid location of the UL7 protein.
Not Applicable / 1:1000	Journal of virology (Aug 2011; 85: 7513) <b>"The herpes simplex virus 1 UL17 protein is the second constituent of the capsid vertex-specific component required for DNA packaging and retention."</b> Author(s):Toropova K,Huffman JB,Homa FL,Conway JF PubMed Article URL: <a href="http://dx.doi.org/10.1128/JVI.00837-11">http://dx.doi.org/10.1128/JVI.00837-11</a>
	A-11122 was used in western blot to study the role of BUBR1 and C-MAD2 in assembling a functional mitotic checkpoint complex.
Not Applicable / 1:500	The Journal of biological chemistry (Jun 2011; 286: 21173) <b>"BUBR1 and closed MAD2 (C-MAD2) interact directly to assemble a functional mitotic checkpoint complex."</b> Author(s):Tipton AR,Wang K,Link L,Bellizzi JJ,Huang H,Yen T,Liu ST PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M111.238543">http://dx.doi.org/10.1074/jbc.M111.238543</a>
	A-11122 was used in western blot to investigate post-translational regulation of ETS family and their roles in prostatic tumorigenesis.
Not Applicable / Not Cited	Nature (Jun 2011; 474: 403) <b>"COP1 is a tumour suppressor that causes degradation of ETS transcription factors."</b> Author(s):Vitari AC,Leong KG,Newton K,Yee C,O'Rourke K,Liu J,Phu L,Vij R,Ferrando R,Couto SS,Mohan S,Pandita A,Hongo JA,Arnott D,Wertz IE,Gao WQ,French DM,Dixit VM PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature10005">http://dx.doi.org/10.1038/nature10005</a>
	A-11122 was used in western blot to demonstrate that Samp1 is functionally associated with Sun1 and the A-type lamina network.
Not Applicable / 1:3000	Journal of cell science (Jun 2011; 124: 2077) <b>"Samp1 is functionally associated with the LINC complex and A-type lamina networks."</b> Author(s):Gudise S,Figueroa RA,Lindberg R,Larsson V,Hallberg E PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.078923">http://dx.doi.org/10.1242/jcs.078923</a>
	A-11122 was used in western blot to report the dimer-of-heterodimer arrangement of the GluN1/GluN2A and GluN1/GluN2B NMDA receptors.
Not Applicable / 1:5000	PloS one (Apr 2011; 6: null) <b>"Amino terminal domains of the NMDA receptor are organized as local heterodimers."</b> Author(s):Lee CH,Gouaux E PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0019180">http://dx.doi.org/10.1371/journal.pone.0019180</a>
	A-11122 was used in western blot to use the plant abscisic acid stress response pathway to regulate transcription, signal transduction, and subcellular localization of proteins.
Not Applicable / Not Cited	Science signaling (Mar 2011; 4: null) <b>"Engineering the ABA plant stress pathway for regulation of induced proximity."</b> Author(s):Liang FS,Ho WQ,Crabtree GR PubMed Article URL: <a href="http://dx.doi.org/10.1126/scisignal.2001449">http://dx.doi.org/10.1126/scisignal.2001449</a>

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	A-11122 was used in western blot to study how srGAP2 and formin-like 1 regulate actin dynamics.
Not Applicable / Not Cited	The Journal of biological chemistry (Feb 2011; 286: 6577) <b>"Bi-modal regulation of a formin by srGAP2."</b> Author(s):Mason FM,Heimsath EG,Higgs HN,Soderling SH PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M110.190397">http://dx.doi.org/10.1074/jbc.M110.190397</a>
	A-11122 was used in western blot to study the ciliary localization of mammalian Gli.
Not Applicable / 1:1000	PLoS one (Dec 2010; 5: null) <b>"Coordinated translocation of mammalian Gli proteins and suppressor of fused to the primary cilium."</b> Author(s):Zeng H,Jia J,Liu A PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0015900">http://dx.doi.org/10.1371/journal.pone.0015900</a>
	A-11122 was used in western blot to identify the interactome of Nck in human T cells
Not Applicable / Not Cited	Protein science : a publication of the Protein Society (Apr 2010; 19: 658) <b>"The adapter protein Nck: role of individual SH3 and SH2 binding modules for protein interactions in T lymphocytes."</b> Author(s):Lettau M,Pieper J,Gerneth A,Lengl-Janssen B,Voss M,Linkermann A,Schmidt H,Gelhaus C,Leippe M,Kabelitz D, Janssen O PubMed Article URL: <a href="http://dx.doi.org/10.1002/pro.334">http://dx.doi.org/10.1002/pro.334</a>
	A-11122 was used in western blot to study the conformation of herpes simplex virus UL25
Not Applicable / Not Cited	Journal of molecular biology (Mar 2010; 397: 575) <b>"Labeling and localization of the herpes simplex virus capsid protein UL25 and its interaction with the two triplexes closest to the penton."</b> Author(s):Conway JF,Cockrell SK,Copeland AM,Newcomb WW,Brown JC,Homa FL PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jmb.2010.01.043">http://dx.doi.org/10.1016/j.jmb.2010.01.043</a>
	A-11122 was used in western blot to reveal a role for the dynein motor complex in the normal differentiation of germ cells
Not Applicable / Not Cited	Molecular and cellular biology (Nov 2009; 29: 6128) <b>"A role for dynein in the inhibition of germ cell proliferative fate."</b> Author(s):Dorsett M,Schedl T PubMed Article URL: <a href="http://dx.doi.org/10.1128/MCB.00815-09">http://dx.doi.org/10.1128/MCB.00815-09</a>
	A-11122 was used in western blot to identify Cdc2 as a kinase that phosphorylates CLIP-170
Not Applicable / Not Cited	The Journal of biological chemistry (Oct 2009; 284: 28775) <b>"Cdc2-mediated phosphorylation of CLIP-170 is essential for its inhibition of centrosome reduplication."</b> Author(s):Yang X,Li H,Liu XS,Deng A,Liu X PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M109.017681">http://dx.doi.org/10.1074/jbc.M109.017681</a>
	A-11122 was used in western blot to investigate nuclear import of NeuroD1 and E47
Not Applicable / Not Cited	Experimental cell research (Jun 2009; 315: 1639) <b>"Synergistic nuclear import of NeuroD1 and its partner transcription factor, E47, via heterodimerization."</b> Author(s):Mehmood R,Yasuhara N,Oe S,Nagai M,Yoneda Y PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.yexcr.2009.02.025">http://dx.doi.org/10.1016/j.yexcr.2009.02.025</a>
	A-11122 was used in western blot to study DNA damage-induced apoptosis and the involvement of Exo1b
Not Applicable / Not Cited	Nucleic acids research (Jun 2009; 37: 3452) <b>"Involvement of Exo1b in DNA damage-induced apoptosis."</b> Author(s):Bolderson E,Richard DJ,Edelmann W,Khanna KK PubMed Article URL: <a href="http://dx.doi.org/10.1093/nar/gkp194">http://dx.doi.org/10.1093/nar/gkp194</a>
	A-11122 was used in western blot to assess promotion of mitophagy through effects on mitochondrial fission and oxidative stress due to loss of PINK1 function
Not Applicable / 1:1000	The Journal of biological chemistry (May 2009; 284: 13843) <b>"Loss of PINK1 function promotes mitophagy through effects on oxidative stress and mitochondrial fission."</b> Author(s):Dagda RK,Cherra SJ,Kulich SM,Tandon A,Park D,Chu CT PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M808515200">http://dx.doi.org/10.1074/jbc.M808515200</a>

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	A-11122 was used in western blot to elucidate the molecular mechanisms of Krox20 transcriptional control
Not Applicable / 1:2000	The Journal of biological chemistry (Apr 2009; 284: 10831) <b>"Krox20 controls the transcription of its various targets in the developing hindbrain according to multiple modes."</b> Author(s):Desmazières A,Charnay P,Gilardi-Hebenstreit P PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M808683200">http://dx.doi.org/10.1074/jbc.M808683200</a>
	A-11122 was used in western blot to analyze autophagy in neurodegeneration and neurite injury utilizing in vivo and in vitro models
Not Applicable / 1:5000	Methods in enzymology (Feb 2009; 453: 217) <b>"Autophagy in neurite injury and neurodegeneration: in vitro and in vivo models."</b> Author(s):Chu CT,Plowey ED,Dagda RK,Hickey RW,Cherra SJ,Clark RS PubMed Article URL: <a href="http://dx.doi.org/10.1016/S0076-6879(08)04011-1">http://dx.doi.org/10.1016/S0076-6879(08)04011-1</a>
	A-11122 was used in western blot to report that Parkin promotes autophagy of damaged mitochondria
Not Applicable / Not Cited	The Journal of cell biology (Dec 2008; 183: 795) <b>"Parkin is recruited selectively to impaired mitochondria and promotes their autophagy."</b> Author(s):Narendra D,Tanaka A,Suen DF,Youle RJ PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.200809125">http://dx.doi.org/10.1083/jcb.200809125</a>
	A-11122 was used in western blot to describe FRET-based reporters to study conformational changes of alpha-synuclein
Not Applicable / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (Nov 2008; 28: 12305) <b>"Optical reporters for the conformation of alpha-synuclein reveal a specific interaction with mitochondria."</b> Author(s):Nakamura K,Nemani VM,Wallender EK,Kaehlcke K,Ott M,Edwards RH PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3088-08.2008">http://dx.doi.org/10.1523/JNEUROSCI.3088-08.2008</a>
	A-11122 was used in western blot to determine the functional consequences of rare disease-associated amino acid substitutions in the cystic fibrosis transmembrane conductance regulator
Not Applicable / 1:4000	Human mutation (Nov 2008; 29: 1364) <b>"Localization studies of rare missense mutations in cystic fibrosis transmembrane conductance regulator (CFTR) facilitate interpretation of genotype-phenotype relationships."</b> Author(s):Krasnov KV,Tzetis M,Cheng J,Guggino WB,Cutting GR PubMed Article URL: <a href="http://dx.doi.org/10.1002/humu.20866">http://dx.doi.org/10.1002/humu.20866</a>
	A-11122 was used in western blot to study the composition of let-7 miRNA complexes
Not Applicable / Not Cited	RNA (New York, N.Y.) (Oct 2008; 14: 2104) <b>"Identification of specific let-7 microRNA binding complexes in Caenorhabditis elegans."</b> Author(s):Chan SP,Ramaswamy G,Choi EY,Slack FJ PubMed Article URL: <a href="http://dx.doi.org/10.1261/rna.551208">http://dx.doi.org/10.1261/rna.551208</a>
	A-11122 was used in western blot to assess regulation of autophagic and mitophagy cell stress due to mitochondrially localized ERK2 and implications in Parkinson's disease
Not Applicable / 1:1000	Autophagy (Aug 2008; 4: 770) <b>"Mitochondrially localized ERK2 regulates mitophagy and autophagic cell stress: implications for Parkinson's disease."</b> Author(s):Dagda RK,Zhu J,Kulich SM,Chu CT PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
	A-11122 was used in western blot to examine the cross-talk between p38alpha and Rac-1
Not Applicable / Not Cited	FEBS letters (Aug 2007; 581: 3819) <b>"p38alpha MAPK can positively or negatively regulate Rac-1 activity depending on the presence of serum."</b> Author(s):Zuluaga S,Gutiérrez-Uzquiza A,Bragado P,Alvarez-Barrientos A,Benito M,Nebreda AR,Porras A PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.febslet.2007.06.078">http://dx.doi.org/10.1016/j.febslet.2007.06.078</a>
	A-11122 was used in western blot to test if enhancing the clearance of brain Abeta by ex vivo gene delivery of an Abeta-degrading protease reduces amyloid plaque burden
Not Applicable / 1:1000	PLoS medicine (Aug 2007; 4: null) <b>"Reducing amyloid plaque burden via ex vivo gene delivery of an Abeta-degrading protease: a novel therapeutic approach to Alzheimer disease."</b> Author(s):Hemming ML,Patterson M,Reske-Nielsen C,Lin L,Isacson O,Selkoe DJ PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pmed.0040262">http://dx.doi.org/10.1371/journal.pmed.0040262</a>

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	A-11122 was used in western blot to study selective endocytosis and an ARF-GEF acting at the Golgi in polarized plant cells
Not Applicable / 1:10,000	Nature (Jul 2007; 448: 493) <b>"An ARF-GEF acting at the Golgi and in selective endocytosis in polarized plant cells."</b> Author(s):Teh OK,Moore I PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature06023">http://dx.doi.org/10.1038/nature06023</a>
	A-11122 was used in western blot to report that NEMO contributes to RIG-I activation in response to viruses
Not Applicable / Not Cited	Nature immunology (Jun 2007; 8: 592) <b>"The NEMO adaptor bridges the nuclear factor-kappaB and interferon regulatory factor signaling pathways."</b> Author(s):Zhao T,Yang L,Sun Q,Arguello M,Ballard DW,Hiscott J,Lin R PubMed Article URL: <a href="http://dx.doi.org/10.1038/ni1465">http://dx.doi.org/10.1038/ni1465</a>
	A-11122 was used in immunoprecipitation and western blot to report that HIV-1 integrase specifically interacts with Imp7
Not Applicable / Not Cited	The Journal of biological chemistry (May 2007; 282: 13456) <b>"Interaction of human immunodeficiency virus type 1 integrase with cellular nuclear import receptor importin 7 and its impact on viral replication."</b> Author(s):Ao Z,Huang G,Yao H,Xu Z,Labine M,Cochrane AW,Yao X PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M610546200">http://dx.doi.org/10.1074/jbc.M610546200</a>
	A-11122 was used in western blot to study the role of Bax N-terminal conformation in controlling the commitment to apoptosis
Not Applicable / Not Cited	Cell death and differentiation (May 2007; 14: 932) <b>"The N-terminal conformation of Bax regulates cell commitment to apoptosis."</b> Author(s):Upton JP,Valentijn AJ,Zhang L,Gilmore AP PubMed Article URL: <a href="http://dx.doi.org/10.1038/sj.cdd.4402092">http://dx.doi.org/10.1038/sj.cdd.4402092</a>
	A-11122 was used in immunoprecipitation and western blot to study prevention of nuclear beta-catenin accumulation and regulation of axis formation in Xenopus embryos by Jun NH2-terminal kinase (JNK)
Not Applicable / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (Oct 2006; 103: 16313) <b>"Jun NH2-terminal kinase (JNK) prevents nuclear beta-catenin accumulation and regulates axis formation in Xenopus embryos."</b> Author(s):Liao G,Tao Q,Kofron M,Chen JS,Schloemer A,Davis RJ,Hsieh JC,Wylie C,Heasman J,Kuan CY PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.0602557103">http://dx.doi.org/10.1073/pnas.0602557103</a>
	A-11122 was used in western blot to determine which hemicentin domains are critical for function and assembly
Not Applicable / Not Cited	The Journal of biological chemistry (Aug 2006; 281: 23606) <b>"Hemicentin assembly in the extracellular matrix is mediated by distinct structural modules."</b> Author(s):Dong C,Muriel JM,Ramirez S,Hutter H,Hedgecock EM,Breydo L,Baskakov IV,Vogel BE PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M513589200">http://dx.doi.org/10.1074/jbc.M513589200</a>
	A-11122 was used in western blot to characterize lipid trafficking and a phosphatidic acid-binding protein of the chloroplast inner envelope membrane
Not Applicable / 1:3000	Proceedings of the National Academy of Sciences of the United States of America (Jul 2006; 103: 10817) <b>"A phosphatidic acid-binding protein of the chloroplast inner envelope membrane involved in lipid trafficking."</b> Author(s):Awai K,Xu C,Tamot B,Benning C PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.0602754103">http://dx.doi.org/10.1073/pnas.0602754103</a>
	A-11122 was used in immunocytochemistry and western blot to study ERK5 signaling during brain development
Not Applicable / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (Jun 2006; 103: 9697) <b>"Extracellular signal-regulated kinase (ERK) 5 is necessary and sufficient to specify cortical neuronal fate."</b> Author(s):Liu L,Cundiff P,Abel G,Wang Y,Faigle R,Sakagami H,Xu M,Xia Z PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.0603373103">http://dx.doi.org/10.1073/pnas.0603373103</a>
	A-11122 was used in western blot to study Ras and compartmentalized signaling in fission yeast
Not Applicable / 1:500	Proceedings of the National Academy of Sciences of the United States of America (Jun 2006; 103: 9045) <b>"Compartmentalized signaling of Ras in fission yeast."</b> Author(s):Onken B,Wiener H,Philips MR,Chang EC PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.0603318103">http://dx.doi.org/10.1073/pnas.0603318103</a>

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	A-11122 was used in immunoprecipitation and western blot to show that the GIT1-PIX-PAK complex regulates migrating cells
Not Applicable / Not Cited	<p>The Journal of cell biology (May 2006; 173: 587)</p> <p><b>"Paxillin phosphorylation at Ser273 localizes a GIT1-PIX-PAK complex and regulates adhesion and protrusion dynamics."</b></p> <p>Author(s):Nayal A,Webb DJ,Brown CM,Schaefer EM,Vicente-Manzanares M,Horwitz AR</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1083/jcb.200509075">http://dx.doi.org/10.1083/jcb.200509075</a></p>
	A-11122 was used in western blot to study the mechanisms that recruit Polkappa to stalled replication forks
Not Applicable / Not Cited	<p>Molecular and cellular biology (May 2006; 26: 3527)</p> <p><b>"Rad18 regulates DNA polymerase kappa and is required for recovery from S-phase checkpoint-mediated arrest."</b></p> <p>Author(s):Bi X,Barkley LR,Slater DM,Tateishi S,Yamaizumi M,Ohmori H,Vaziri C</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1128/MCB.26.9.3527-3540.2006">http://dx.doi.org/10.1128/MCB.26.9.3527-3540.2006</a></p>
	A-11122 was used in western blot to analyze and identify a novel class A scavenger receptor that is expressed by populations of epithelial cells called murine SCARA5
Not Applicable / Not Cited	<p>The Journal of biological chemistry (Apr 2006; 281: 11834)</p> <p><b>"Identification and characterization of murine SCARA5, a novel class A scavenger receptor that is expressed by populations of epithelial cells."</b></p> <p>Author(s):Jiang Y,Oliver P,Davies KE,Platt N</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M507599200">http://dx.doi.org/10.1074/jbc.M507599200</a></p>
	A-11122 was used in immunoprecipitation and western blot to study the need for Toll-like receptor 4 signal transduction by myristoylation of TRIF-related adaptor molecule
Not Applicable / Not Cited	<p>Proceedings of the National Academy of Sciences of the United States of America (Apr 2006; 103: 6299)</p> <p><b>"The myristoylation of TRIF-related adaptor molecule is essential for Toll-like receptor 4 signal transduction."</b></p> <p>Author(s):Rowe DC,McGettrick AF,Latz E,Monks BG,Gay NJ,Yamamoto M,Akira S,O'Neill LA,Fitzgerald KA,Golenbock DT</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0510041103">http://dx.doi.org/10.1073/pnas.0510041103</a></p>
	A-11122 was used in western blot to study the coupling of chromatin remodeling to proteasomal activity by a dynamic ubiquitin equilibrium
Not Applicable / Not Cited	<p>The Journal of cell biology (Apr 2006; 173: 19)</p> <p><b>"A dynamic ubiquitin equilibrium couples proteasomal activity to chromatin remodeling."</b></p> <p>Author(s):Dantuma NP,Groothuis TA,Salomons FA,Neefjes J</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1083/jcb.200510071">http://dx.doi.org/10.1083/jcb.200510071</a></p>
	A-11122 was used in western blot to assess the second calcineurin binding site by blockade of NFAT activation
Not Applicable / Not Cited	<p>The Journal of biological chemistry (Mar 2006; 281: 6227)</p> <p><b>"Blockade of NFAT activation by the second calcineurin binding site."</b></p> <p>Author(s):Martínez-Martínez S,Rodríguez A,López-Maderuelo MD,Ortega-Pérez I,Vázquez J,Redondo JM</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M513885200">http://dx.doi.org/10.1074/jbc.M513885200</a></p>
	A-11122 was used in immunocytochemistry and western blot to analyze regulation of localized Rab18 to lipid droplets and the effects of lipolytic stimulation and inhibition of lipid droplet catabolism
Not Applicable / Not Cited	<p>The Journal of biological chemistry (Dec 2005; 280: 42325)</p> <p><b>"Regulated localization of Rab18 to lipid droplets: effects of lipolytic stimulation and inhibition of lipid droplet catabolism."</b></p> <p>Author(s):Martin S,Driessen K,Nixon SJ,Zerial M,Parton RG</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M506651200">http://dx.doi.org/10.1074/jbc.M506651200</a></p>
	A-11122 was used in western blot to discuss a tagging strategy that enables full-length endogenous proteins to be expressed as green fluorescent fusion proteins from their authentic promoters in mammalian cells
Not Applicable / 1:200	<p>BMC genomics (Sep 2005; 6: null)</p> <p><b>"Improved tagging strategy for protein identification in mammalian cells."</b></p> <p>Author(s):Bialkowska A,Zhang XY,Reiser J</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1186/1471-2164-6-113">http://dx.doi.org/10.1186/1471-2164-6-113</a></p>
	A-11122 was used in western blot to study apoptotic and dividing cells to view contrasting nuclear dynamics of the caspase-activated Dnase (CAD)
Not Applicable / Not Cited	<p>The Journal of cell biology (Dec 2004; 167: 851)</p> <p><b>"Contrasting nuclear dynamics of the caspase-activated DNase (CAD) in dividing and apoptotic cells."</b></p> <p>Author(s):Lechardeur D,Xu M,Lukacs GL</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1083/jcb.200404105">http://dx.doi.org/10.1083/jcb.200404105</a></p>

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	A-11122 was used in western blot to analyze the modulation of circadian function in Arabidopsis thaliana by targeted degradation of TOC1 by ZTL
Not Applicable / Not Cited	Nature (Dec 2003; 426: 567) <b>"Targeted degradation of TOC1 by ZTL modulates circadian function in Arabidopsis thaliana."</b> Author(s):Más P, Kim WY, Somers DE, Kay SA PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature02163">http://dx.doi.org/10.1038/nature02163</a>
	A-11122 was used in western blot to study the accumulation of novel membrane-bound ribosome-signal recognition particle receptor complexes and endoplasmic membranes in Escherichia coli
Not Applicable / Not Cited	The Journal of cell biology (Nov 2002; 159: 403) <b>"Accumulation of endoplasmic membranes and novel membrane-bound ribosome-signal recognition particle receptor complexes in Escherichia coli."</b> Author(s):Herskovits AA, Shimoni E, Minsky A, Bibi E PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.200204144">http://dx.doi.org/10.1083/jcb.200204144</a>
	A-11122 was used in western blot to characterize a potent telomerase inhibitor called PinX1, which is a Pin2/TRF1-interacting protein
Not Applicable / Not Cited	Cell (Nov 2001; 107: 347) <b>"The Pin2/TRF1-interacting protein PinX1 is a potent telomerase inhibitor."</b> Author(s):Zhou XZ, Lu KP PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
	A-11122 was used in immunocytochemistry and western blot to characterize Plasmodium falciparum-infected human erythrocytes and assembly and trafficking of the cytoadherence complex
Not Applicable / 1:1000	The EMBO journal (Oct 2001; 20: 5636) <b>"Trafficking and assembly of the cytoadherence complex in Plasmodium falciparum-infected human erythrocytes."</b> Author(s):Wickham ME, Rug M, Ralph SA, Klonis N, McFadden GI, Tilley L, Cowman AF PubMed Article URL: <a href="http://dx.doi.org/10.1093/emboj/20.20.5636">http://dx.doi.org/10.1093/emboj/20.20.5636</a>
	A-11122 was used in immunocytochemistry and western blot to demonstrate that Phaeodactylum tricornutum can thrive on exogenous glucose in the absence of light when just a glucose transporter is introduced
Not Applicable / Not Cited	Science (New York, N.Y.) (Jun 2001; 292: 2073) <b>"Trophic conversion of an obligate photoautotrophic organism through metabolic engineering."</b> Author(s):Zaslavskaya LA, Lippmeier JC, Shih C, Ehrhardt D, Grossman AR, Apt KE PubMed Article URL: <a href="http://dx.doi.org/10.1126/science.160015">http://dx.doi.org/10.1126/science.160015</a>
	A-11122 was used in western blot to demonstrate that beta2-chimaerin is translocated by phorbol esters from the cytosolic to particulate fraction
Not Applicable / 1:25,000	The Journal of biological chemistry (May 2001; 276: 18303) <b>"Phorbol esters and related analogs regulate the subcellular localization of beta 2-chimaerin, a non-protein kinase C phorbol ester receptor."</b> Author(s):Caloca MJ, Wang H, Delemos A, Wang S, Kazanietz MG PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M011368200">http://dx.doi.org/10.1074/jbc.M011368200</a>
	A-11122 was used in western blot to report that hRad17 interacts with the PCNA-like proteins hRad1, hHus1, and hRad9
Not Applicable / Not Cited	The Journal of biological chemistry (Sep 2000; 275: 29767) <b>"The human checkpoint protein hRad17 interacts with the PCNA-like proteins hRad1, hHus1, and hRad9."</b> Author(s):Rauen M, Burtelow MA, Dufault VM, Karnitz LM PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M005782200">http://dx.doi.org/10.1074/jbc.M005782200</a>
	A-11122 was used in western blot to observe the translocation of myristoylated alanine-rich protein kinase C substrate
Not Applicable / 1:50	The Journal of biological chemistry (Aug 2000; 275: 26449) <b>"Importance of protein kinase C targeting for the phosphorylation of its substrate, myristoylated alanine-rich C-kinase substrate."</b> Author(s):Ohmori S, Sakai N, Shirai Y, Yamamoto H, Miyamoto E, Shimizu N, Saito N PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M003588200">http://dx.doi.org/10.1074/jbc.M003588200</a>
	A-11122 was used in western blot to show that stabilization of the growth axis requires positional signaling from either the pheromone receptor or specific bud site selection proteins
Not Applicable / 1:5000	Molecular cell (May 2000; 5: 853) <b>"G proteins mediate changes in cell shape by stabilizing the axis of polarity."</b> Author(s):Nern A, Arkowitz RA PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>

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	A-11122 was used in western blot to assess the role of the alternatively spliced amino terminus of Xlalphas in protein localization
Not Applicable / 1:3000	Molecular biology of the cell (Apr 2000; 11: 1421) <b>"A proline-rich region and nearby cysteine residues target Xlalphas to the Golgi complex region."</b> Author(s):Ugur O,Jones TL PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
	A-11122 was used in western blot to elucidate the dynamics and subcellular localization of sphingosine-1-phosphate-EDG-1 interactions
Not Applicable / Not Cited	Molecular biology of the cell (Apr 1999; 10: 1179) <b>"Ligand-induced trafficking of the sphingosine-1-phosphate receptor EDG-1."</b> Author(s):Liu CH,Thangada S,Lee MJ,Van Brocklyn JR,Spiegel S,Hla T PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
	A-11122 was used in immunoprecipitation and western blot to create and characterize an expression vector encoding a chimeric protein in which green fluorescent protein was tethered to firefly luciferase
Not Applicable / 1:10,000	BioTechniques (Nov 1998; 25: 848) <b>"Dual-function reporter protein for analysis of gene expression in living cells."</b> Author(s):Day RN,Kawecki M,Berry D PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
	A-11122 was used in western blot to study the role of intracellular Na <sup>+</sup> /H <sup>+</sup> exchangers using yeast
Not Applicable / 1:500	The Journal of biological chemistry (Aug 1998; 273: 21054) <b>"Novel localization of a Na<sup>+</sup>/H<sup>+</sup> exchanger in a late endosomal compartment of yeast. Implications for vacuole biogenesis."</b> Author(s):Nass R,Rao R PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
<b>146 Immunocytochemistry References</b>	
Species / Dilution	Summary
	A-11122 was used in immunocytochemistry to study a novel mutant Na <sup>(+)</sup> /HCO <sub>3</sub> <sup>(-)</sup> cotransporter NBCe1 found in a case of proximal renal tubular acidosis with compound-heterozygous inheritance
Not Applicable / 1:100	The Journal of physiology (Nov 2016; 594: 6267) <b>"A novel mutant Na<sup>(+)</sup> /HCO<sub>3</sub><sup>(-)</sup> cotransporter NBCe1 in a case of compound-heterozygous inheritance of proximal renal tubular acidosis."</b> Author(s):Myers EJ,Yuan L,Felmlee MA,Lin YY,Jiang Y,Pei Y,Wang O,Li M,Xing XP,Marshall A,Xia WB,Parker MD PubMed Article URL: <a href="http://dx.doi.org/10.1113/JP272252">http://dx.doi.org/10.1113/JP272252</a>
	A-11122 was used in immunocytochemistry to study the opposition of myosin forces to position organelles in cells by active diffusion and microtubule-based transport
Not Applicable / 1:200	Nature communications (Jun 2016; 7: null) <b>"Active diffusion and microtubule-based transport oppose myosin forces to position organelles in cells."</b> Author(s):Lin C,Schuster M,Guimaraes SC,Ashwin P,Schrader M,Metz J,Hacker C,Gurr SJ,Steinberg G PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncomms11814">http://dx.doi.org/10.1038/ncomms11814</a>
	A-11122 was used in immunocytochemistry to characterize regulation of craniofacial skeletal development by canonical and noncanonical intraflagellar transport
Not Applicable / 1:500	Proceedings of the National Academy of Sciences of the United States of America (May 2016; 113: E2589) <b>"Canonical and noncanonical intraflagellar transport regulates craniofacial skeletal development."</b> Author(s):Noda K,Kitami M,Kitami K,Kaku M,Komatsu Y PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1519458113">http://dx.doi.org/10.1073/pnas.1519458113</a>
	A-11122 was used in immunocytochemistry to study three recombinant engineered antibodies made against recombinant tags tha show high specificity and affinity
Not Applicable / 5 µg/ml	PloS one (Mar 2016; 11: null) <b>"Three Recombinant Engineered Antibodies against Recombinant Tags with High Affinity and Specificity."</b> Author(s):Zhao H,Shen A,Xiang YK,Corey DP PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0150125">http://dx.doi.org/10.1371/journal.pone.0150125</a>

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	A-11122 was used in immunocytochemistry and immunohistochemistry to characterize CRASP (CFP reconstitution across synaptic partners)
Not Applicable / 1:1000	Biochemical and biophysical research communications (Jan 2016; 469: 352) <b>"CRASP: CFP reconstitution across synaptic partners."</b> Author(s):Li Y,Guo A,Li H PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bbrc.2015.12.011">http://dx.doi.org/10.1016/j.bbrc.2015.12.011</a>
	A-11122 was used in immunocytochemistry to study the regulation of neural gene transcription by RE1-silencing transcription factor optogenetic inhibition
Not Applicable / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (Jan 2016; 113: E91) <b>"Regulation of neural gene transcription by optogenetic inhibition of the RE1-silencing transcription factor."</b> Author(s):Paonessa F,Crisuolo S,Sacchetti S,Amoroso D,Scarongella H,Pecoraro Bisogni F,Carminati E,Pruzzo G,Maragliano L,Cesca F,Benfenati F PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1507355112">http://dx.doi.org/10.1073/pnas.1507355112</a>
	A-11122 was used in immunocytochemistry to study coupling growth with developmental timing by Dilp8 and the neuronal relaxin receptor Lgr3
Not Applicable / 1:200	Nature communications (Oct 2015; 6: null) <b>"Dilp8 requires the neuronal relaxin receptor Lgr3 to couple growth to developmental timing."</b> Author(s):Garelli A,Heredia F,Casimiro AP,Macedo A,Nunes C,Garcez M,Dias AR,Volonte YA,Uhlmann T,Caparros E,Koyama T,Gontijo AM PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncomms9732">http://dx.doi.org/10.1038/ncomms9732</a>
	A-11122 was used in immunocytochemistry to study the relationship of Axin1, Axin2, and Wnt/beta-catenin signaling in satellite cells.
Not Applicable / 1:1000	Cellular signalling (Aug 2015; 27: 1652) <b>"Coordinated action of Axin1 and Axin2 suppresses <math>\beta</math>-catenin to regulate muscle stem cell function."</b> Author(s):Figeac N,Zammit PS PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.cellsig.2015.03.025">http://dx.doi.org/10.1016/j.cellsig.2015.03.025</a>
	A-11122 was used in immunocytochemistry and western blot to study two vaccinia virus proteins, L2 and A30.5, in the ER.
Not Applicable / 1:200	Traffic (Copenhagen, Denmark) (Jul 2015; 16: 787) <b>"Topology of Endoplasmic Reticulum-Associated Cellular and Viral Proteins Determined with Split-GFP."</b> Author(s):Hyun SI,Maruri-Avidal L,Moss B PubMed Article URL: <a href="http://dx.doi.org/10.1111/tra.12281">http://dx.doi.org/10.1111/tra.12281</a>
	A-11122 was used in immunocytochemistry to identify molecules that block the Shroom3-Rho kinase protein-protein interaction and modulate NogoA signaling.
Not Applicable / Not Cited	BMC neuroscience (Jun 2015; 16: null) <b>"Targeted inhibition of the Shroom3-Rho kinase protein-protein interaction circumvents Nogo66 to promote axon outgrowth."</b> Author(s):Dickson HM,Wilbur A,Reinke AA,Young MA,Vojtek AB PubMed Article URL: <a href="http://dx.doi.org/10.1186/s12868-015-0171-5">http://dx.doi.org/10.1186/s12868-015-0171-5</a>
	A-11122 was used in immunocytochemistry to investigate the role of OC-STAMP in bbne formation in OC-STAMP null mice.
Not Applicable / 1:200	PloS one (Jun 2015; 10: null) <b>"Studies of OC-STAMP in Osteoclast Fusion: A New Knockout Mouse Model, Rescue of Cell Fusion, and Transmembrane Topology."</b> Author(s):Witwicka H,Hwang SY,Reyes-Gutierrez P,Jia H,Odgren PE,Donahue LR,Birnbaum MJ,Odgren PR PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0128275">http://dx.doi.org/10.1371/journal.pone.0128275</a>
	A-11122 was used in immunocytochemistry and western blot to study the effect of Gli2 ciliary localization on Hedgehog signaling
Not Applicable / 1:1000	Development (Cambridge, England) (May 2015; 142: 1651) <b>"The loss of Hh responsiveness by a non-ciliary Gli2 variant."</b> Author(s):Liu J,Zeng H,Liu A PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.119669">http://dx.doi.org/10.1242/dev.119669</a>
	A-11122 was used in immunocytochemistry to elucidate the relationship between FOXO1, insulin, and IGF1 in gonadotropes
Not Applicable / 1:1200	Molecular and cellular endocrinology (Apr 2015; 405: 14) <b>"FOXO1 is regulated by insulin and IGF1 in pituitary gonadotropes."</b> Author(s):Skarra DV,Thackray VG PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.mce.2015.02.006">http://dx.doi.org/10.1016/j.mce.2015.02.006</a>

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	A-11122 was used in immunocytochemistry to investigate APOBEC1-dependent RNA editing
Not Applicable / 1:500	RNA biology (Apr 2015; 12: 389) <b>"Flow-cytometric visualization of C&gt;U mRNA editing reveals the dynamics of the process in live cells."</b> Author(s):Severi F,Conticello SG PubMed Article URL: <a href="http://dx.doi.org/10.1080/15476286.2015.1026033">http://dx.doi.org/10.1080/15476286.2015.1026033</a>
	A-11122 was used in immunocytochemistry to investigate the role of gp210/Nup210 in muscle cell differentiation
Not Applicable / 1:1000	The Journal of cell biology (Mar 2015; 208: 671) <b>"The nucleoporin gp210/Nup210 controls muscle differentiation by regulating nuclear envelope/ER homeostasis."</b> Author(s):Gomez-Cavazos JS,Hetzer MW PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201410047">http://dx.doi.org/10.1083/jcb.201410047</a>
	A-11122 was used in immunocytochemistry to determine how intercellular adhesion occurs through alpha-catenin phosphorylation and a dual-kinase mechanism
Not Applicable / Not Cited	Journal of cell science (Mar 2015; 128: 1150) <b>"ζ-Catenin phosphorylation promotes intercellular adhesion through a dual-kinase mechanism."</b> Author(s):Escobar DJ,Desai R,Ishiyama N,Folmsbee SS,Novak MN,Flozak AS,Daugherty RL,Mo R,Nanavati D,Sarpal R,Leckband D,Ikura M,Tepass U,Gottardi CJ PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.163824">http://dx.doi.org/10.1242/jcs.163824</a>
	A-11122 was used in immunocytochemistry and western blot to investigate the effect of mechanical load on ciliogenesis in the growth plate.
Not Applicable / Not Cited	Cellular and molecular life sciences : CMLS (Feb 2015; 72: 597) <b>"The growth plate's response to load is partially mediated by mechano-sensing via the chondrocytic primary cilium."</b> Author(s):Rais Y,Reich A,Simsa-Maziel S,Moshe M,Idelevich A,Kfir T,Miosge N,Monsonogo-Ornan E PubMed Article URL: <a href="http://dx.doi.org/10.1007/s00018-014-1690-4">http://dx.doi.org/10.1007/s00018-014-1690-4</a>
	A-11122 was used in immunocytochemistry to search for a conserved mechanism for meiotic kinetochore regulation and identify MEIKIN in mice
Not Applicable / 1:1000	Nature (Jan 2015; 517: 466) <b>"Meikin is a conserved regulator of meiosis-I-specific kinetochore function."</b> Author(s):Kim J,Ishiguro K,Nambu A,Akiyoshi B,Yokobayashi S,Kagami A,Ishiguro T,Pendas AM,Takeda N,Sakakibara Y,Kitajima TS,Tanno Y,Sakuno T,Watanabe Y PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature14097">http://dx.doi.org/10.1038/nature14097</a>
	A-11122 was used in immunocytochemistry to examine Drosophila larva navigation up temperature gradients
Not Applicable / 1:1000	Proceedings of the National Academy of Sciences of the United States of America (Jan 2015; 112: E220) <b>"Sensory determinants of behavioral dynamics in Drosophila thermotaxis."</b> Author(s):Klein M,Afonso B,Vonner AJ,Hernandez-Nunez L,Berck M,Tabone CJ,Kane EA,Pieribone VA,Nitabach MN,Cardona A,Zlatic M,Sprecher SG,Gershow M,Garrity PA,Samuel AD PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1416212112">http://dx.doi.org/10.1073/pnas.1416212112</a>
	A-11122 was used in immunocytochemistry to identify new targets for anti-malarial transmission-blocking vaccines.
Not Applicable / 1:200	Vaccine (Jan 2015; 33: 437) <b>"The Plasmodium berghei sexual stage antigen PSOP12 induces anti-malarial transmission blocking immunity both in vivo and in vitro."</b> Author(s):Sala KA,Nishiura H,Upton LM,Zakutansky SE,Delves MJ,Iyori M,Mizutani M,Senden RE,Yoshida S,Blagborough AM PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.vaccine.2014.11.038">http://dx.doi.org/10.1016/j.vaccine.2014.11.038</a>
	A-11122 was used in immunocytochemistry to study the effect of transmembrane channel-like proteins on Ca(2+) signaling.
Not Applicable / Not Cited	Cellular signalling (Dec 2014; 26: 2826) <b>"TMC8 (EVER2) attenuates intracellular signaling by Zn2+ and Ca2+ and suppresses activation of Cl- currents."</b> Author(s):Sirianant L,Ousingsawat J,Tian Y,Schreiber R,Kunzelmann K PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.cellsig.2014.09.001">http://dx.doi.org/10.1016/j.cellsig.2014.09.001</a>
	A-11122 was used in immunocytochemistry to test if DYRK1A phosphorylation affects the density and activity of NMDARs.
Not Applicable / 1:1000	Frontiers in cellular neuroscience (Nov 2014; 8: null) <b>"DYRK1A-mediated phosphorylation of GluN2A at Ser(1048) regulates the surface expression and channel activity of GluN1/GluN2A receptors."</b> Author(s):Grau C,Arató K,Fernández-Fernández JM,Valderrama A,Sindreu C,Fillat C,Ferrer I,de la Luna S,Altafaj X PubMed Article URL: <a href="http://dx.doi.org/10.3389/fncel.2014.00331">http://dx.doi.org/10.3389/fncel.2014.00331</a>

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	A-11122 was used in immunocytochemistry to describe a method to investigate protein interactions in the nuclear envelope.
Not Applicable / 1:2500	Biochimica et biophysica acta (Oct 2014; 1838: 2399) <b>"MCLIP, an effective method to detect interactions of transmembrane proteins of the nuclear envelope in live cells."</b> Author(s):Jafferli MH,Vijayaraghavan B,Figueroa RA,Crafoord E,Gudise S,Larsson VJ,Hallberg E PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bbamem.2014.06.008">http://dx.doi.org/10.1016/j.bbamem.2014.06.008</a>
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Not Applicable / 1:1000	A-11122 was used in immunocytochemistry to elucidate the molecular pathways downstream of Liprin-alpha in Drosophila brains.  The Journal of neuroscience : the official journal of the Society for Neuroscience (Jun 2014; 34: 8474) <b>"Drosophila Syd-1, liprin-<math>\zeta</math>, and protein phosphatase 2A B' subunit Wrd function in a linear pathway to prevent ectopic accumulation of synaptic materials in distal axons."</b> Author(s):Li L,Tian X,Zhu M,Bulgari D,Böhme MA,Goettfert F,Wichmann C,Sigrist SJ,Levitan ES,Wu C PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.0409-14.2014">http://dx.doi.org/10.1523/JNEUROSCI.0409-14.2014</a>
Not Applicable / 1:500	A-11122 was used in immunocytochemistry to study the role of microglia in photoreceptor degeneration in the rd10 mouse model of retinitis pigmentosa.  The Journal of neuroscience : the official journal of the Society for Neuroscience (Jun 2014; 34: 8139) <b>"Suppression of microglial activation is neuroprotective in a mouse model of human retinitis pigmentosa."</b> Author(s):Peng B,Xiao J,Wang K,So KF,Tipoe GL,Lin B PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.5200-13.2014">http://dx.doi.org/10.1523/JNEUROSCI.5200-13.2014</a>
Not Applicable / 1:500	A-11122 was used in immunocytochemistry to test if different MKL1 isoforms differ in their subcellular localization, transcriptional activity, and effect on dendritic number and axonal length  Neuroreport (May 2014; 25: 585) <b>"Cellular localization and dendritic function of rat isoforms of the SRF coactivator MKL1 in cortical neurons."</b> Author(s):Ishikawa M,Shiota J,Ishibashi Y,Hakamata T,Shoji S,Fukuchi M,Tsuda M,Shirao T,Sekino Y,Baraban JM,Tabuchi A PubMed Article URL: <a href="http://dx.doi.org/10.1097/WNR.0000000000000141">http://dx.doi.org/10.1097/WNR.0000000000000141</a>
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Not Applicable / 1:500	A-11122 was used in immunocytochemistry to identify aptamers that bind to EB1 and EB3  Molecular biology of the cell (Apr 2014; 25: 1025) <b>"Peptide aptamers define distinct EB1- and EB3-binding motifs and interfere with microtubule dynamics."</b> Author(s):Leżniewska K,Warbrick E,Ohkura H PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E13-08-0504">http://dx.doi.org/10.1091/mbc.E13-08-0504</a>
Not Applicable / 1:2000	A-11122 was used in immunocytochemistry to describe the effect of SUMOylation on methyl CpG binding protein 2 function.  Journal of neurochemistry (Mar 2014; 128: 798) <b>"SUMOylation of MeCP2 is essential for transcriptional repression and hippocampal synapse development."</b> Author(s):Cheng J,Huang M,Zhu Y,Xin YJ,Zhao YK,Huang J,Yu JX,Zhou WH,Qiu Z PubMed Article URL: <a href="http://dx.doi.org/10.1111/jnc.12523">http://dx.doi.org/10.1111/jnc.12523</a>

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	A-11122 was used in immunocytochemistry and western blot to analyze the governing of autophagosome biogenesis during mitophagy via mitochondrial Rab GAPs
Not Applicable / Not Cited	eLife (Feb 2014; 3: null) <b>"Mitochondrial Rab GAPs govern autophagosome biogenesis during mitophagy."</b> Author(s):Yamano K,Fogel AI,Wang C,van der Blik AM,Youle RJ PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.01612">http://dx.doi.org/10.7554/eLife.01612</a>
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Not Applicable / 1:500	Proceedings of the National Academy of Sciences of the United States of America (Feb 2014; 111: 2164) <b>"C2cd3 is critical for centriolar distal appendage assembly and ciliary vesicle docking in mammals."</b> Author(s):Ye X,Zeng H,Ning G,Reiter JF,Liu A PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1318737111">http://dx.doi.org/10.1073/pnas.1318737111</a>
	A-11122 was used in immunocytochemistry to study the interaction between p120-catenin and CLASP2 that governs microtubule dynamics at adherens junctions
Not Applicable / Not Cited	The Journal of cell biology (Dec 2013; 203: 1043) <b>"CLASP2 interacts with p120-catenin and governs microtubule dynamics at adherens junctions."</b> Author(s):Shahbazi MN,Megias D,Epifano C,Akhmanova A,Gundersen GG,Fuchs E,Perez-Moreno M PubMed Article URL: <a href="http://dx.doi.org/">http://dx.doi.org/</a>
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Not Applicable / 1:500	PloS one (Dec 2013; 8: null) <b>"Etoposide induces nuclear re-localisation of AID."</b> Author(s):Lambert LJ,Walker S,Feltham J,Lee HJ,Reik W,Houseley J PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0082110">http://dx.doi.org/10.1371/journal.pone.0082110</a>
	A-11122 was used in immunocytochemistry and immunohistochemistry to study how the Drosophila TRPL channel modulates food experience-induced taste desensitization
Not Applicable / 1:400	Nature neuroscience (Oct 2013; 16: 1468) <b>"Food experience-induced taste desensitization modulated by the Drosophila TRPL channel."</b> Author(s):Zhang YV,Raghuwanshi RP,Shen WL,Montell C PubMed Article URL: <a href="http://dx.doi.org/10.1038/nn.3513">http://dx.doi.org/10.1038/nn.3513</a>
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Not Applicable / 1:500	Cell host and microbe (Sep 2013; 14: 294) <b>"Cholera toxin disrupts barrier function by inhibiting exocyst-mediated trafficking of host proteins to intestinal cell junctions."</b> Author(s):Guichard A,Cruz-Moreno B,Cruz-Moreno BC,Aguilar B,van Sorge NM,Kuang J,Kurkciyan AA,Wang Z,Hang S, Pineton de Chambrun GP,McCole DF,Watnick P,Nizet V,Bier E PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.chom.2013.08.001">http://dx.doi.org/10.1016/j.chom.2013.08.001</a>
	A-11122 was used in immunocytochemistry to develop a system to study the network response to defined long-term experimental protocols.
Not Applicable / Not Cited	Frontiers in molecular neuroscience (Aug 2013; 6: null) <b>"Long-term optical stimulation of channelrhodopsin-expressing neurons to study network plasticity."</b> Author(s):Lignani G,Ferrea E,Difato F,Amarù J,Ferroni E,Lugarà E,Espinoza S,Gainetdinov RR,Baldelli P,Benfenati F PubMed Article URL: <a href="http://dx.doi.org/10.3389/fnmol.2013.00022">http://dx.doi.org/10.3389/fnmol.2013.00022</a>
	A-11122 was used in immunocytochemistry and western blot to demonstrate that MCAF is an essential regulator of cellular senescence.
Not Applicable / Not Cited	PloS one (Aug 2013; 8: null) <b>"The transcriptional cofactor MCAF1/ATF7IP is involved in histone gene expression and cellular senescence."</b> Author(s):Sasai N,Saitoh N,Saitoh H,Nakao M PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0068478">http://dx.doi.org/10.1371/journal.pone.0068478</a>
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Not Applicable / 1:2000	The Journal of cell biology (Aug 2013; 202: 579) <b>"A new method for high-resolution imaging of Ku foci to decipher mechanisms of DNA double-strand break repair."</b> Author(s):Britton S,Coates J,Jackson SP PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201303073">http://dx.doi.org/10.1083/jcb.201303073</a>

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	A-11122 was used in immunocytochemistry to developed a bioluminescence resonance energy transfer (BRET)-based biosensor of ERK activity.
Not Applicable / Not Cited	Frontiers in endocrinology (Aug 2013; 4: null) <b>"REV, A BRET-Based Sensor of ERK Activity."</b> Author(s):Xu C,Peter M,Bouquier N,Ollendorff V,Villamil I,Liu J,Fagni L,Perroy J PubMed Article URL: <a href="http://dx.doi.org/10.3389/fendo.2013.00095">http://dx.doi.org/10.3389/fendo.2013.00095</a>
	A-11122 was used in immunocytochemistry to study the effect of baicalin on the in vitro cardiac differentiation of murine embryonic stem cells.
Not Applicable / 1:100	Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology (Jul 2013; 32: 86) <b>"Baicalin maintains late-stage functional cardiomyocytes in embryoid bodies derived from murine embryonic stem cells."</b> Author(s):Tang M,Yin M,Tang M,Liang H,Yu C,Hu X,Luo H,Baudis B,Haustein M,Khalil M,Sariç T,Hescheler J,Xi J PubMed Article URL: <a href="http://dx.doi.org/10.1159/000350127">http://dx.doi.org/10.1159/000350127</a>
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Mouse / 1:500	Developmental biology (Jun 2013; 378: 94) <b>"Cyclin dependent kinase 5 is required for the normal development of oligodendrocytes and myelin formation."</b> Author(s):Yang Y,Wang H,Zhang J,Luo F,Herrup K,Bibb JA,Lu R,Miller RH PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2013.03.023">http://dx.doi.org/10.1016/j.ydbio.2013.03.023</a>
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Not Applicable / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (Jun 2013; 33: 9998) <b>"The new small-molecule mixed-lineage kinase 3 inhibitor URM-099 is neuroprotective and anti-inflammatory in models of human immunodeficiency virus-associated neurocognitive disorders."</b> Author(s):Marker DF,Tremblay ME,Puccini JM,Barbieri J,Gantz Marker MA,Loweth CJ,Muly EC,Lu SM,Goodfellow VS,Dewhurst S,Gelbard HA PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.0598-13.2013">http://dx.doi.org/10.1523/JNEUROSCI.0598-13.2013</a>
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Not Applicable / 1:1000	Human molecular genetics (Jun 2013; 22: 2186) <b>"Epileptogenic Q555X SYN1 mutant triggers imbalances in release dynamics and short-term plasticity."</b> Author(s):Lignani G,Raimondi A,Ferrea E,Rocchi A,Paonessa F,Cesca F,Orlando M,Tkatch T,Valtorta F,Cossette P,Baldelli P,Benfenati F PubMed Article URL: <a href="http://dx.doi.org/10.1093/hmg/ddt071">http://dx.doi.org/10.1093/hmg/ddt071</a>
	A-11122 was used in immunocytochemistry to study the effect of a novel amyloid-binding small molecule on Ras-mediated spinogenesis.
Rat / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (May 2013; 33: 9306) <b>"A tetra(ethylene glycol) derivative of benzothiazole aniline enhances Ras-mediated spinogenesis."</b> Author(s):Megill A,Lee T,DiBattista AM,Song JM,Spitzer MH,Rubinshtein M,Habib LK,Capule CC,Mayer M,Turner RS,Kirkwood A,Yang J,Pak DT,Lee HK,Hoe HS PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.1615-12.2013">http://dx.doi.org/10.1523/JNEUROSCI.1615-12.2013</a>
	A-11122 was used in immunocytochemistry to report a method to map and quantify the expression of specific ion channel types across the entire dendritic arbor
Not Applicable / 1:1000	Frontiers in neural circuits (Apr 2013; 7: null) <b>"Three-dimensional tracking and analysis of ion channel signals across dendritic arbors."</b> Author(s):Ginger M,Brosier P,Frick A PubMed Article URL: <a href="http://dx.doi.org/10.3389/fncir.2013.00061">http://dx.doi.org/10.3389/fncir.2013.00061</a>

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	A-11122 was used in immunocytochemistry to elucidate the role of NPM-HAUSP in controlling PTEN deubiquitination and trafficking.
Not Applicable / Not Cited	Leukemia (Apr 2013; 27: 1037) <b>"Nucleophosmin/B26 regulates PTEN through interaction with HAUSP in acute myeloid leukemia."</b> Author(s):Noguera NI,Song MS,Divona M,Catalano G,Calvo KL,García F,Ottone T,Florenzano F,Faraoni I,Battistini L,Colombo E,Amadori S,Pandolfi PP,Lo-Coco F PubMed Article URL: <a href="http://dx.doi.org/10.1038/leu.2012.314">http://dx.doi.org/10.1038/leu.2012.314</a>
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Not Applicable / 1:100	A-11122 was used in immunocytochemistry to characterize trypanosome PABP1 and PABP2  PloS one (Feb 2013; 8: null) <b>"Differential localization of the two T. brucei poly(A) binding proteins to the nucleus and RNP granules suggests binding to distinct mRNA pools."</b> Author(s):Kramer S,Bannerman-Chukualim B,Ellis L,Boulden EA,Kelly S,Field MC,Carrington M PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0054004">http://dx.doi.org/10.1371/journal.pone.0054004</a>
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Not Applicable / 1:200	A-11122 was used in immunocytochemistry to examine Hox proteins for signal transducing activity.  BMC developmental biology (Oct 2012; 12: null) <b>"Protein interactions of the transcription factor Hoxa1."</b> Author(s):Lambert B,Vandeputte J,Remacle S,Bergiers I,Simonis N,Twizere JC,Vidal M,Rezsohazy R PubMed Article URL: <a href="http://dx.doi.org/10.1186/1471-213X-12-29">http://dx.doi.org/10.1186/1471-213X-12-29</a>
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Not Applicable / 1:400	A-11122 was used in immunocytochemistry to study differentiation of pluripotent stem cells.  PloS one (Oct 2012; 7: null) <b>"Targeted genomic integration of a selectable floxed dual fluorescence reporter in human embryonic stem cells."</b> Author(s):Gantz JA,Palpant NJ,Welikson RE,Hauschka SD,Murry CE,Laflamme MA PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0046971">http://dx.doi.org/10.1371/journal.pone.0046971</a>
Not Applicable / 1:1000	A-11122 was used in immunocytochemistry and western blot to investigate the role of myosin VI in autophagy  Nature cell biology (Oct 2012; 14: 1024) <b>"Autophagy receptors link myosin VI to autophagosomes to mediate Tom1-dependent autophagosome maturation and fusion with the lysosome."</b> Author(s):Tumbarello DA,Waxse BJ,Arden SD,Bright NA,Kendrick-Jones J,Buss F PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2589">http://dx.doi.org/10.1038/ncb2589</a>

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	A-11122 was used in immunocytochemistry to test the effect of doublecortin modulation on the proliferation and migration of human neuronal progenitors.
Not Applicable / Not Cited	Stem cells (Dayton, Ohio) (Sep 2012; 30: 1852) <b>"Increasing doublecortin expression promotes migration of human embryonic stem cell-derived neurons."</b> Author(s):Filipovic R,Santhosh Kumar S,Fiondella C,Loturco J PubMed Article URL: <a href="http://dx.doi.org/10.1002/stem.1162">http://dx.doi.org/10.1002/stem.1162</a>
	A-11122 was used in immunocytochemistry to identify Ect2 as a central regulator of mitotic rounding
Not Applicable / 1:200	Developmental cell (Aug 2012; 23: 371) <b>"Changes in Ect2 localization couple actomyosin-dependent cell shape changes to mitotic progression."</b> Author(s):Matthews HK,Delabre U,Rohn JL,Guck J,Kunda P,Baum B PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.devcel.2012.06.003">http://dx.doi.org/10.1016/j.devcel.2012.06.003</a>
	A-11122 was used in immunocytochemistry to report a proof-of-concept study of a hybrid odorant biosensor.
Not Applicable / 1:200	The Analyst (Aug 2012; 137: 3452) <b>"Dissociated neuronal culture expressing ionotropic odorant receptors as a hybrid odorant biosensor-- proof-of-concept study."</b> Author(s):Tanada N,Sakurai T,Mitsuno H,Bakkum DJ,Kanzaki R,Takahashi H PubMed Article URL: <a href="http://dx.doi.org/10.1039/c2an35058k">http://dx.doi.org/10.1039/c2an35058k</a>
	A-11122 was used in immunocytochemistry to investigate how N-BAR proteins are recruited to the cell membrane.
Not Applicable / 1:500	Nature cell biology (Aug 2012; 14: 874) <b>"External push and internal pull forces recruit curvature-sensing N-BAR domain proteins to the plasma membrane."</b> Author(s):Galic M,Jeong S,Tsai FC,Joubert LM,Wu YI,Hahn KM,Cui Y,Meyer T PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2533">http://dx.doi.org/10.1038/ncb2533</a>
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Not Applicable / 1:250	Neuron (Jul 2012; 75: 283) <b>"Restoration of hearing in the VGLUT3 knockout mouse using virally mediated gene therapy."</b> Author(s):Akil O,Seal RP,Burke K,Wang C,Alemi A,During M,Edwards RH,Lustig LR PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.neuron.2012.05.019">http://dx.doi.org/10.1016/j.neuron.2012.05.019</a>
	A-11122 was used in immunocytochemistry and immunohistochemistry to determine the regional and subcellular expression pattern of 6-containing nAChRs.
Not Applicable / 1:500	The Journal of neuroscience : the official journal of the Society for Neuroscience (Jul 2012; 32: 10226) <b>"6* nicotinic acetylcholine receptor expression and function in a visual salience circuit."</b> Author(s):Mackey ED,Engle SE,Kim MR,O'Neill HC,Wageman CR,Patzlaff NE,Wang Y,Grady SR,McIntosh JM,Marks MJ,Lester HA,Drenan RM PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.0007-12.2012">http://dx.doi.org/10.1523/JNEUROSCI.0007-12.2012</a>
	A-11122 was used in immunocytochemistry and immunohistochemistry to examine the effect of timing of neuronal stem cell transplantation on cell engraftment, survival, and differentiation.
Not Applicable / Not Cited	Stroke (Jun 2012; 43: 1624) <b>"Timing of intra-arterial neural stem cell transplantation after hypoxia-ischemia influences cell engraftment, survival, and differentiation."</b> Author(s):Rosenblum S,Wang N,Smith TN,Pendharkar AV,Chua JY,Birk H,Guzman R PubMed Article URL: <a href="http://dx.doi.org/10.1161/STROKEAHA.111.637884">http://dx.doi.org/10.1161/STROKEAHA.111.637884</a>
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Not Applicable / 1:800	Cell cycle (Georgetown, Tex.) (Apr 2012; 11: 1626) <b>"ATP analog-sensitive Pat1 protein kinase for synchronous fission yeast meiosis at physiological temperature."</b> Author(s):Cipak L,Hyppa RW,Smith GR,Gregan J PubMed Article URL: <a href="http://dx.doi.org/10.4161/cc.20052">http://dx.doi.org/10.4161/cc.20052</a>
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Not Applicable / Not Cited	The Journal of biological chemistry (Apr 2012; 287: 13159) <b>"Distinct domains of paracingulin are involved in its targeting to the actin cytoskeleton and regulation of apical junction assembly."</b> Author(s):Paschoud S,Guillemot L,Citi S PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M111.315622">http://dx.doi.org/10.1074/jbc.M111.315622</a>

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	A-11122 was used in immunocytochemistry to elucidate the molecular cause of the abnormal behavior of Hectd1 mutant cranial mesenchyme
Not Applicable / Not Cited	The Journal of cell biology (Mar 2012; 196: 789) <b>"Hectd1 regulates intracellular localization and secretion of Hsp90 to control cellular behavior of the cranial mesenchyme."</b> Author(s):Sarkar AA,Zohn IE PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201105101">http://dx.doi.org/10.1083/jcb.201105101</a>
	A-11122 was used in immunocytochemistry to study the Wnt expressing progenitors in the rhombomere.
Not Applicable / Not Cited	Molecular and cellular neurosciences (Feb 2012; 49: 217) <b>"Wnt1 expression temporally allocates upper rhombic lip progenitors and defines their terminal cell fate in the cerebellum."</b> Author(s):Hagan N,Zervas M PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.mcn.2011.11.008">http://dx.doi.org/10.1016/j.mcn.2011.11.008</a>
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Not Applicable / Not Cited	The Journal of biological chemistry (Jan 2012; 287: 2317) <b>"Protein aggregates are recruited to aggresome by histone deacetylase 6 via unanchored ubiquitin C termini."</b> Author(s):Ouyang H,Ali YO,Ravichandran M,Dong A,Qiu W,MacKenzie F,Dhe-Paganon S,Arrowsmith CH,Zhai RG PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M111.273730">http://dx.doi.org/10.1074/jbc.M111.273730</a>
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Not Applicable / 1:200	Journal of cell science (Jan 2012; 125: 516) <b>"Mob1: defining cell polarity for proper cell division."</b> Author(s):Tavares A,Gonçalves J,Florindo C,Tavares AA,Soares H PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.096610">http://dx.doi.org/10.1242/jcs.096610</a>
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Not Applicable / 1:300	Methods in molecular biology (Clifton, N.J.) (Jan 2012; 843: 69) <b>"Whole-mount confocal microscopy for vascular branching morphogenesis."</b> Author(s):Mukouyama YS,James J,Nam J,Uchida Y PubMed Article URL: <a href="http://dx.doi.org/10.1007/978-1-61779-523-7_7">http://dx.doi.org/10.1007/978-1-61779-523-7_7</a>
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Not Applicable / 1:200	The Journal of biological chemistry (Aug 2011; 286: 28066) <b>"Ca2+/Calmodulin-dependent protein kinase kinase beta is regulated by multisite phosphorylation."</b> Author(s):Green MF,Scott JW,Steel R,Oakhill JS,Kemp BE,Means AR PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M111.251504">http://dx.doi.org/10.1074/jbc.M111.251504</a>
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Not Applicable / 1:1000	Molecular biology of the cell (Aug 2011; 22: 2741) <b>"Histone H2B ubiquitylation and H3 lysine 4 methylation prevent ectopic silencing of euchromatic loci important for the cellular response to heat."</b> Author(s):Leung A,Cajigas I,Jia P,Ezhkova E,Brickner JH,Zhao Z,Geng F,Tansey WP PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E11-05-0426">http://dx.doi.org/10.1091/mbc.E11-05-0426</a>
	A-11122 was used in immunocytochemistry to study NFATc3 in T cells.
Not Applicable / Not Cited	Blood (Jul 2011; 118: 795) <b>"NFATc3 regulates the transcription of genes involved in T-cell activation and angiogenesis."</b> Author(s):Urso K,Alfranca A,Martínez-Martínez S,Escolano A,Ortega I,Rodríguez A,Redondo JM PubMed Article URL: <a href="http://dx.doi.org/10.1182/blood-2010-12-322701">http://dx.doi.org/10.1182/blood-2010-12-322701</a>

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Not Applicable / 1:200	Endocrinology (Jul 2011; 152: 2655) <b>"Voluntary exercise improves high-fat diet-induced leptin resistance independent of adiposity."</b> Author(s):Krawczewski Carhuatanta KA, Demuro G, Tschöp MH, Pfluger PT, Benoit SC, Obici S PubMed Article URL: <a href="http://dx.doi.org/10.1210/en.2010-1340">http://dx.doi.org/10.1210/en.2010-1340</a>
	A-11122 was used in immunocytochemistry to identify and characterize a novel mutation in the AVPR2 gene (L170P).
Not Applicable / Not Cited	NDT plus (Jun 2011; 4: 158) <b>"Novel mutation in the AVPR2 gene in a Danish male with nephrogenic diabetes insipidus caused by ER retention and subsequent lysosomal degradation of the mutant receptor."</b> Author(s):Nejsum LN, Christensen TM, Robben JH, Milligan G, Deen PM, Bichet DG, Levin K PubMed Article URL: <a href="http://dx.doi.org/10.1093/ndtplus/sfr010">http://dx.doi.org/10.1093/ndtplus/sfr010</a>
	A-11122 was used in immunocytochemistry to determine the transduction efficiencies of a variety of adeno-associated virus vectors using ocular cell lines.
Not Applicable / 1:400	Molecular vision (Apr 2011; 17: 1090) <b>"Quantifying transduction efficiencies of unmodified and tyrosine capsid mutant AAV vectors in vitro using two ocular cell lines."</b> Author(s):Ryals RC, Boye SL, Dinculescu A, Hauswirth WW, Boye SE PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
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Not Applicable / 1:500	The Journal of neuroscience : the official journal of the Society for Neuroscience (Apr 2011; 31: 5414) <b>"A requirement for nuclear factor-kappaB in developmental and plasticity-associated synaptogenesis."</b> Author(s):Boersma MC, Dresselhaus EC, De Biase LM, Mihalas AB, Bergles DE, Meffert MK PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.2456-10.2011">http://dx.doi.org/10.1523/JNEUROSCI.2456-10.2011</a>
	A-11122 was used in immunocytochemistry to elucidate how integrin activation regulates translation of myelin basic protein.
Not Applicable / Not Cited	The Journal of cell biology (Mar 2011; 192: 797) <b>"Translation of myelin basic protein mRNA in oligodendrocytes is regulated by integrin activation and hnRNP-K."</b> Author(s):Laursen LS, Chan CW, French-Constant C PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201007014">http://dx.doi.org/10.1083/jcb.201007014</a>
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Not Applicable / 1:500	The Journal of cell biology (Feb 2011; 192: 417) <b>"Clustering heterochromatin: Sir3 promotes telomere clustering independently of silencing in yeast."</b> Author(s):Ruault M, De Meyer A, Loïdiche I, Taddei A PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201008007">http://dx.doi.org/10.1083/jcb.201008007</a>
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Not Applicable / 1:1000	The Journal of comparative neurology (Oct 2010; 518: 4147) <b>"Neural architecture of the primary gustatory center of Drosophila melanogaster visualized with GAL4 and LexA enhancer-trap systems."</b> Author(s):Miyazaki T, Ito K PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22433">http://dx.doi.org/10.1002/cne.22433</a>
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Not Applicable / 1:100	BMC developmental biology (Aug 2010; 10: null) <b>"Analysis of Thisbe and Pyramus functional domains reveals evidence for cleavage of Drosophila FGFs."</b> Author(s):Tulin S, Stathopoulos A PubMed Article URL: <a href="http://dx.doi.org/10.1186/1471-213X-10-83">http://dx.doi.org/10.1186/1471-213X-10-83</a>
	A-11122 was used in immunocytochemistry to report that the mitochondrial outer membrane participates in autophagosome biogenesis
Not Applicable / Not Cited	Cell (May 2010; 141: 656) <b>"Mitochondria supply membranes for autophagosome biogenesis during starvation."</b> Author(s):Hailey DW, Rambold AS, Satpute-Krishnan P, Mitra K, Sougrat R, Kim PK, Lippincott-Schwartz J PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.cell.2010.04.009">http://dx.doi.org/10.1016/j.cell.2010.04.009</a>

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Not Applicable / 1:500	Journal of neuropathology and experimental neurology (Apr 2010; 69: 335) <b>"Alexander disease mutant glial fibrillary acidic protein compromises glutamate transport in astrocytes."</b> Author(s):Tian R,Wu X,Hagemann TL,Sosunov AA,Messing A,McKhann GM,Goldman JE PubMed Article URL: <a href="http://dx.doi.org/10.1097/NEN.0b013e3181d3cb52">http://dx.doi.org/10.1097/NEN.0b013e3181d3cb52</a>
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Not Applicable / Not Cited	Molecular biology of the cell (Mar 2010; 21: 970) <b>"Differential localization and dynamics of class I myosins in the enterocyte microvillus."</b> Author(s):Benesh AE,Nambiar R,McConnell RE,Mao S,Tabb DL,Tyska MJ PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E09-07-0638">http://dx.doi.org/10.1091/mbc.E09-07-0638</a>
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Not Applicable / Not Cited	PLoS genetics (Dec 2009; 5: null) <b>"The synaptonemal complex protein Zip1 promotes bi-orientation of centromeres at meiosis I."</b> Author(s):Gladstone MN,Obeso D,Chuong H,Dawson DS PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1000771">http://dx.doi.org/10.1371/journal.pgen.1000771</a>
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Not Applicable / 1:1000	Genes and development (Oct 2009; 23: 2415) <b>"The SIOD disorder protein SMARCA1 is an RPA-interacting protein involved in replication fork restart."</b> Author(s):Ciccia A,Bredemeyer AL,Sowa ME,Terret ME,Jallepalli PV,Harper JW,Elledge SJ PubMed Article URL: <a href="http://dx.doi.org/10.1101/gad.1832309">http://dx.doi.org/10.1101/gad.1832309</a>
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Not Applicable / 1:100	Genetics (Aug 2009; 182: 1015) <b>"The cation diffusion facilitator gene cdf-2 mediates zinc metabolism in Caenorhabditis elegans."</b> Author(s):Davis DE,Roh HC,Deshmukh K,Bruinsma JJ,Schneider DL,Guthrie J,Robertson JD,Kornfeld K PubMed Article URL: <a href="http://dx.doi.org/10.1534/genetics.109.103614">http://dx.doi.org/10.1534/genetics.109.103614</a>
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Not Applicable / 1:2000	Neural development (May 2009; 4: null) <b>"Neuroigin1: a cell adhesion molecule that recruits PSD-95 and NMDA receptors by distinct mechanisms during synaptogenesis."</b> Author(s):Barrow SL,Constable JR,Clark E,El-Sabeawy F,McAllister AK,Washbourne P PubMed Article URL: <a href="http://dx.doi.org/10.1186/1749-8104-4-17">http://dx.doi.org/10.1186/1749-8104-4-17</a>
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Not Applicable / 1:1000	The Journal of biological chemistry (Oct 2008; 283: 29424) <b>"Regulation of postsynaptic RapGAP SPAR by Polo-like kinase 2 and the SCFbeta-TRCP ubiquitin ligase in hippocampal neurons."</b> Author(s):Ang XL,Seeburg DP,Sheng M,Harper JW PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M802475200">http://dx.doi.org/10.1074/jbc.M802475200</a>
	A-11122 was used in immunocytochemistry and western blot to identify the salt-inducible kinase as an inducible gene target of TGFbeta/Smad signaling
Not Applicable / Not Cited	The Journal of cell biology (Aug 2008; 182: 655) <b>"TGFbeta induces SIK to negatively regulate type I receptor kinase signaling."</b> Author(s):Kowanetz M,Lönn P,Vanlandewijck M,Kowanetz K,Heldin CH,Moustakas A PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.200804107">http://dx.doi.org/10.1083/jcb.200804107</a>
	A-11122 was used in immunocytochemistry to study the differential dissociation of GIRK channels
Not Applicable / 1:200	The Journal of physiology (Jul 2008; 586: 3325) <b>"Differential dissociation of G protein heterotrimers."</b> Author(s):Digby GJ,Sethi PR,Lambert NA PubMed Article URL: <a href="http://dx.doi.org/10.1113/jphysiol.2008.153965">http://dx.doi.org/10.1113/jphysiol.2008.153965</a>
	A-11122 was used in immunocytochemistry to characterize a novel process for selectively labeling inhibitory and excitatory neurons in the cerebral cortex of mice
Not Applicable / 1:500	Journal of neuroscience methods (May 2008; 170: 212) <b>"Novel strategy to selectively label excitatory and inhibitory neurons in the cerebral cortex of mice."</b> Author(s):Basu K,Gravel C,Tomioka R,Kaneko T,Tamamaki N,Sik A PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jneumeth.2008.01.016">http://dx.doi.org/10.1016/j.jneumeth.2008.01.016</a>
	A-11122 was used in immunocytochemistry to test if myocardin expression stimulates human mesenchymal stem cells to acquire a cardiomyogenic phenotype
Not Applicable / Not Cited	Stem cells (Dayton, Ohio) (Apr 2008; 26: 1083) <b>"Forced myocardin expression enhances the therapeutic effect of human mesenchymal stem cells after transplantation in ischemic mouse hearts."</b> Author(s):Grauss RW,van Tuyn J,Steendijk P,Winter EM,Pijnappels DA,Hogers B,Gittenberger-De Groot AC,van der Geest R,van der Laarse A,de Vries AA,Schalij MJ,Atsma DE PubMed Article URL: <a href="http://dx.doi.org/10.1634/stemcells.2007-0523">http://dx.doi.org/10.1634/stemcells.2007-0523</a>
	A-11122 was used in immunocytochemistry to elucidate the function of the SNARE-like motifs of Chlamydia's IncA
Not Applicable / Not Cited	PLoS pathogens (Mar 2008; 4: null) <b>"SNARE protein mimicry by an intracellular bacterium."</b> Author(s):Delevoye C,Nilges M,Dehoux P,Paumet F,Perrinet S,Dautry-Varsat A,Subtil A PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.ppat.1000022">http://dx.doi.org/10.1371/journal.ppat.1000022</a>
	A-11122 was used in immunocytochemistry to identify FHL1 as a factor that contributes to reducing body myopathy
Not Applicable / 1:400	The Journal of clinical investigation (Mar 2008; 118: 904) <b>"Proteomic identification of FHL1 as the protein mutated in human reducing body myopathy."</b> Author(s):Schessl J,Zou Y,McGrath MJ,Cowling BS,Maiti B,Chin SS,Sewry C,Battini R,Hu Y,Cottle DL,Rosenblatt M,Spruce L,Ganguly A,Kirschner J,Judkins AR,Golden JA,Goebel HH,Muntoni F,Flanigan KM,Mitchell CA,Bönnemann CG PubMed Article URL: <a href="http://dx.doi.org/10.1172/JCI34450">http://dx.doi.org/10.1172/JCI34450</a>
	A-11122 was used in immunocytochemistry to characterize the expression of and host immune responses to SUSa1 from Toxoplasma gondii
Not Applicable / Not Cited	Infection and immunity (Jan 2008; 76: 103) <b>"Highly polymorphic family of glycosylphosphatidylinositol-anchored surface antigens with evidence of developmental regulation in Toxoplasma gondii."</b> Author(s):Pollard AM,Onatolu KN,Hiller L,Haldar K,Knoll LJ PubMed Article URL: <a href="http://dx.doi.org/10.1128/IAI.01170-07">http://dx.doi.org/10.1128/IAI.01170-07</a>
	A-11122 was used in immunocytochemistry to identify chemical inhibitors of FKBP12
Not Applicable / 1:1000	Journal of medicinal chemistry (Dec 2007; 50: 6607) <b>"Nuclear magnetic resonance fragment-based identification of novel FKBP12 inhibitors."</b> Author(s):Stebbins JL,Zhang Z,Chen J,Wu B,Emdadi A,Williams ME,Cashman J,Pellecchia M PubMed Article URL: <a href="http://dx.doi.org/10.1021/jm0707424">http://dx.doi.org/10.1021/jm0707424</a>

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	A-11122 was used in immunocytochemistry to characterize Drosophila melanogaster Ten-a mutants
Not Applicable / Not Cited	<p>Mechanisms of development (Nov 2007; 124: 911)</p> <p><b>"Drosophila Ten-a is a maternal pair-rule and patterning gene."</b></p> <p>Author(s):Rakovitsky N,Buganim Y,Swissa T,Kinel-Tahan Y,Brenner S,Cohen MA,Levine A,Wides R</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.mod.2007.08.003">http://dx.doi.org/10.1016/j.mod.2007.08.003</a></p>
	A-11122 was used in immunocytochemistry to investigate ErbB2 cleavage and endocytic trafficking
Not Applicable / Not Cited	<p>Molecular biology of the cell (Sep 2007; 18: 3656)</p> <p><b>"Endocytic down-regulation of ErbB2 is stimulated by cleavage of its C-terminus."</b></p> <p>Author(s):Lerdrup M,Bruun S,Grandal MV,Roepstorff K,Kristensen MM,Hommelgaard AM,van Deurs B</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1091/mbc.E07-01-0025">http://dx.doi.org/10.1091/mbc.E07-01-0025</a></p>
	A-11122 was used in immunocytochemistry to develop an estrogen receptor-alpha-positive model of breast cancer using human mammary epithelial cells
Not Applicable / Not Cited	<p>Breast cancer research : BCR (Jul 2007; 9: null)</p> <p><b>"An oestrogen-dependent model of breast cancer created by transformation of normal human mammary epithelial cells."</b></p> <p>Author(s):Duss S,André S,Nicolaz AL,Fiche M,Bonnefoi H,Brisken C,Iggo RD</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1186/bcr1734">http://dx.doi.org/10.1186/bcr1734</a></p>
	A-11122 was used in immunocytochemistry to study an indication of an essential role of the Ca <sup>2+</sup> channel alpha2delta-1 subunit in cardiac excitation-contraction coupling by computer modeling of siRNA knockdown
Not Applicable / 1:4000	<p>Proceedings of the National Academy of Sciences of the United States of America (Jun 2007; 104: 11091)</p> <p><b>"Computer modeling of siRNA knockdown effects indicates an essential role of the Ca<sup>2+</sup> channel alpha2delta-1 subunit in cardiac excitation-contraction coupling."</b></p> <p>Author(s):Tuluc P,Kern G,Obermair GJ,Flucher BE</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0700577104">http://dx.doi.org/10.1073/pnas.0700577104</a></p>
	A-11122 was used in immunocytochemistry to investigate the consequences of regulator of chromatin condensation 1 methylation
Not Applicable / 1:500	<p>Nature cell biology (May 2007; 9: 596)</p> <p><b>"N-terminal alpha-methylation of RCC1 is necessary for stable chromatin association and normal mitosis."</b></p> <p>Author(s):Chen T,Muratore TL,Schaner-Tooley CE,Shabanowitz J,Hunt DF,Macara IG</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/ncb1572">http://dx.doi.org/10.1038/ncb1572</a></p>
	A-11122 was used in immunocytochemistry and western blot to study ligand binding to the glucocorticoid receptor and glucocorticoid receptor binding to glucocorticoid response elements
Not Applicable / Not Cited	<p>Molecular and cellular biology (Apr 2007; 27: 2442)</p> <p><b>"The ligand binding domain controls glucocorticoid receptor dynamics independent of ligand release."</b></p> <p>Author(s):Meijsing SH,Elbi C,Luecke HF,Hager GL,Yamamoto KR</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1128/MCB.01570-06">http://dx.doi.org/10.1128/MCB.01570-06</a></p>
	A-11122 was used in immunocytochemistry to assess the ability of mesenchymal stem cells to cure experimental autoimmune encephalomyelitis
Not Applicable / Not Cited	<p>Annals of neurology (Mar 2007; 61: 219)</p> <p><b>"Mesenchymal stem cells effectively modulate pathogenic immune response in experimental autoimmune encephalomyelitis."</b></p> <p>Author(s):Gerdoni E,Gallo B,Casazza S,Musio S,Bonanni I,Pedemonte E,Mantegazza R,Frassoni F,Mancardi G,Pedotti R,Uccelli A</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/ana.21076">http://dx.doi.org/10.1002/ana.21076</a></p>
	A-11122 was used in immunocytochemistry to present a rapid method for generating embryonic stem cells that express GFP under the control of selected genes
Not Applicable / 1:600	<p>Stem cells (Dayton, Ohio) (Jan 2007; 25: 39)</p> <p><b>"Production of green fluorescent protein transgenic embryonic stem cells using the GENSAT bacterial artificial chromosome library."</b></p> <p>Author(s):Tomishima MJ,Hadjantonakis AK,Gong S,Studer L</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1634/stemcells.2006-0173">http://dx.doi.org/10.1634/stemcells.2006-0173</a></p>

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Not Applicable / 1:100	Journal of cell science (Nov 2006; 119: 4541) <b>"Podoplanin binds ERM proteins to activate RhoA and promote epithelial-mesenchymal transition."</b> Author(s):Martin-Villar E,Megías D,Castel S,Yurrita MM,Vilaró S,Quintanilla M PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.03218">http://dx.doi.org/10.1242/jcs.03218</a>
	A-11122 was used in immunocytochemistry to study determinants of Rbp1p localization called P-bodies in specific cytoplasmic mRNA-processing foci
Not Applicable / 1:2000	The Journal of biological chemistry (Sep 2006; 281: 29379) <b>"Determinants of Rbp1p localization in specific cytoplasmic mRNA-processing foci, P-bodies."</b> Author(s):Jang LT,Buu LM,Lee FJ PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M601573200">http://dx.doi.org/10.1074/jbc.M601573200</a>
	A-11122 was used in immunocytochemistry to study exogenous human PDCD5 protein and cellular uptake
Not Applicable / Not Cited	The Journal of biological chemistry (Aug 2006; 281: 24803) <b>"Cellular uptake of exogenous human PDCD5 protein."</b> Author(s):Wang Y,Li D,Fan H,Tian L,Zhong Y,Zhang Y,Yuan L,Jin C,Yin C,Ma D PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M600183200">http://dx.doi.org/10.1074/jbc.M600183200</a>
	A-11122 was used in immunocytochemistry to investigate the role of calcyon in clathrin-mediated endocytosis
Not Applicable / 1:250	The Journal of biological chemistry (Jun 2006; 281: 15182) <b>"Calcyon, a novel partner of clathrin light chain, stimulates clathrin-mediated endocytosis."</b> Author(s):Xiao J,Dai R,Negyessy L,Bergson C PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M600265200">http://dx.doi.org/10.1074/jbc.M600265200</a>
	A-11122 was used in immunocytochemistry to investigate the role of homeobox gene Mix-like in mesoderm development
Not Applicable / 1:500	Blood (Apr 2006; 107: 3122) <b>"Acceleration of mesoderm development and expansion of hematopoietic progenitors in differentiating ES cells by the mouse Mix-like homeodomain transcription factor."</b> Author(s):Wiley S,Ayuso-Sacido A,Zhang H,Fraser ST,Sahr KE,Adlam MJ,Kyba M,Daley GQ,Keller G,Baron MH PubMed Article URL: <a href="http://dx.doi.org/10.1182/blood-2005-10-4120">http://dx.doi.org/10.1182/blood-2005-10-4120</a>
	A-11122 was used in immunocytochemistry and western blot to characterize the Dengue virus type 2 non-structural protein 4B and its membrane topology and subcellular localization
Not Applicable / Not Cited	The Journal of biological chemistry (Mar 2006; 281: 8854) <b>"Subcellular localization and membrane topology of the Dengue virus type 2 Non-structural protein 4B."</b> Author(s):Miller S,Sparacio S,Bartenschlager R PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M512697200">http://dx.doi.org/10.1074/jbc.M512697200</a>
	A-11122 was used in immunocytochemistry to study the expression of the major malaria virulence antigen on the surface of infected red blood cells that requires a Maurer's cleft-associated protein
Not Applicable / 1:1000	The Journal of cell biology (Mar 2006; 172: 899) <b>"A Maurer's cleft-associated protein is essential for expression of the major malaria virulence antigen on the surface of infected red blood cells."</b> Author(s):Cooke BM,Buckingham DW,Glenister FK,Fernandez KM,Bannister LH,Marti M,Mohandas N,Coppel RL PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.200509122">http://dx.doi.org/10.1083/jcb.200509122</a>
	A-11122 was used in immunocytochemistry to discuss methods to identify protein trafficking signals
Not Applicable / Not Cited	BMC biotechnology (Mar 2006; 6: null) <b>"PIN-G--a novel reporter for imaging and defining the effects of trafficking signals in membrane proteins."</b> Author(s):McKeown L,Robinson P,Greenwood SM,Hu W,Jones OT PubMed Article URL: <a href="http://dx.doi.org/10.1186/1472-6750-6-15">http://dx.doi.org/10.1186/1472-6750-6-15</a>
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Not Applicable / Not Cited	Molecular biology of the cell (Mar 2006; 17: 1041) <b>"Microtubule regulation in mitosis: tubulin phosphorylation by the cyclin-dependent kinase Cdk1."</b> Author(s):Fourest-Lieuvain A,Peris L,Gache V,Garcia-Saez I,Juillan-Binard C,Lantez V,Job D PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E05-07-0621">http://dx.doi.org/10.1091/mbc.E05-07-0621</a>

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	A-11122 was used in immunocytochemistry and immunoprecipitation to assess inhibition of LIM kinase 2 to regulate tight junction assembly and cofilin phosphorylation by Par-3
Not Applicable / Not Cited	The Journal of cell biology (Feb 2006; 172: 671) <b>"Par-3 mediates the inhibition of LIM kinase 2 to regulate cofilin phosphorylation and tight junction assembly."</b> Author(s):Chen X,Macara IG PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.200510061">http://dx.doi.org/10.1083/jcb.200510061</a>
	A-11122 was used in immunocytochemistry to study encoding of an N-acetylglucosaminidase involved in N-glycan processing in the Drosophila fused lobes gene
Not Applicable / Not Cited	The Journal of biological chemistry (Feb 2006; 281: 4867) <b>"The Drosophila fused lobes gene encodes an N-acetylglucosaminidase involved in N-glycan processing."</b> Author(s):Léonard R,Rendic D,Rabouille C,Wilson IB,Préat T,Altmann F PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M511023200">http://dx.doi.org/10.1074/jbc.M511023200</a>
	A-11122 was used in immunocytochemistry to elucidate multinucleated cells and asynchronous nuclear division cycles
Not Applicable / 1:100	The Journal of cell biology (Jan 2006; 172: 347) <b>"Asynchronous nuclear division cycles in multinucleated cells."</b> Author(s):Gladfelter AS,Hungerbuehler AK,Philippson P PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.200507003">http://dx.doi.org/10.1083/jcb.200507003</a>
	A-11122 was used in immunocytochemistry to investigate ErbB2 internalization
Not Applicable / 1:1000	Journal of cell science (Jan 2006; 119: 85) <b>"Geldanamycin stimulates internalization of ErbB2 in a proteasome-dependent way."</b> Author(s):Lerdrup M,Hommelgaard AM,Grandal M,van Deurs B PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.02707">http://dx.doi.org/10.1242/jcs.02707</a>
	A-11122 was used in immunocytochemistry to develop tools to control neuronal excitability and modulate synaptic transmission
Not Applicable / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (Dec 2005; 102: 17816) <b>"Fast noninvasive activation and inhibition of neural and network activity by vertebrate rhodopsin and green algae channelrhodopsin."</b> Author(s):Li X,Gutierrez DV,Hanson MG,Han J,Mark MD,Chiel H,Hegemann P,Landmesser LT,Herlitze S PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.0509030102">http://dx.doi.org/10.1073/pnas.0509030102</a>
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Not Applicable / Not Cited	Journal of cell science (Dec 2005; 118: 5421) <b>"The Parkin co-regulated gene product, PACRG, is an evolutionarily conserved axonemal protein that functions in outer-doublet microtubule morphogenesis."</b> Author(s):Dawe HR,Farr H,Portman N,Shaw MK,Gull K PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.02659">http://dx.doi.org/10.1242/jcs.02659</a>
	A-11122 was used in immunocytochemistry to test if recently generated, adult-born neurons contribute to neural plasticity and learning
Not Applicable / 1:1000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Nov 2005; 25: 10729) <b>"Adult-born and preexisting olfactory granule neurons undergo distinct experience-dependent modifications of their olfactory responses in vivo."</b> Author(s):Magavi SS,Mitchell BD,Szentirmai O,Carter BS,Macklis JD PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.2250-05.2005">http://dx.doi.org/10.1523/JNEUROSCI.2250-05.2005</a>
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Not Applicable / Not Cited	Nature methods (Sep 2005; 2: 677) <b>"Determination of absolute protein numbers in single synapses by a GFP-based calibration technique."</b> Author(s):Sugiyama Y,Kawabata I,Sobue K,Okabe S PubMed Article URL: <a href="http://dx.doi.org/10.1038/nmeth783">http://dx.doi.org/10.1038/nmeth783</a>
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Not Applicable / Not Cited	Journal of cell science (Jun 2005; 118: 2601) <b>"Rab18 localizes to lipid droplets and induces their close apposition to the endoplasmic reticulum-derived membrane."</b> Author(s):Ozeki S,Cheng J,Tauchi-Sato K,Hatano N,Taniguchi H,Fujimoto T PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.02401">http://dx.doi.org/10.1242/jcs.02401</a>

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Not Applicable / 1:500	PloS one (Aug 2015; 10: null) <b>"Rhomboid Enhancer Activity Defines a Subset of <i>Drosophila</i> Neural Precursors Required for Proper Feeding, Growth and Viability."</b> Author(s):Gresser AL, Gutzwiller LM, Gauck MK, Hartenstein V, Cook TA, Gebelein B PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0134915">http://dx.doi.org/10.1371/journal.pone.0134915</a>
	A-11122 was used in immunohistochemistry to determine the role of estradiol in regulating the interaction between macrophages and nerves in peritoneal endometriosis.
Not Applicable / 1:1500	The American journal of pathology (Aug 2015; 185: 2286) <b>"Estradiol is a critical mediator of macrophage-nerve cross talk in peritoneal endometriosis."</b> Author(s):Greaves E, Temp J, Esnal-Zufiurre A, Mechsner S, Horne AW, Saunders PT PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ajpath.2015.04.012">http://dx.doi.org/10.1016/j.ajpath.2015.04.012</a>

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	A-11122 was used in immunohistochemistry to assess inhibition of Slit-Robo1 repulsion in pre-crossing commissural axons by Robo2 acting in trans
Not Applicable / 1:500	eLife (Jul 2015; 4: null) <b>"Robo2 acts in trans to inhibit Slit-Robo1 repulsion in pre-crossing commissural axons."</b> Author(s):Evans TA,Santiago C,Arbeille E,Bashaw GJ PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.08407">http://dx.doi.org/10.7554/eLife.08407</a>
	A-11122 was used in immunohistochemistry to assess immunofluorescent enhancement by tyramide signal amplification
Not Applicable / 2 mg/ml	Methods in molecular biology (Clifton, N.J.) (Jul 2015; 1318: 161) <b>"Tyramide Signal Amplification for Immunofluorescent Enhancement."</b> Author(s):Faget L,Hnasko TS PubMed Article URL: <a href="http://dx.doi.org/10.1007/978-1-4939-2742-5_16">http://dx.doi.org/10.1007/978-1-4939-2742-5_16</a>
	A-11122 was used in immunohistochemistry to investigate the role of Wnt/Beta-catenin signaling in spinal cord regeneration
Not Applicable / 1:5000	Developmental biology (Jul 2015; 403: 15) <b>"Wnt/<math>\beta</math>-catenin signaling is required for radial glial neurogenesis following spinal cord injury."</b> Author(s):Briona LK,Poulain FE,Mosimann C,Dorsky RI PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2015.03.025">http://dx.doi.org/10.1016/j.ydbio.2015.03.025</a>
	A-11122 was used in immunohistochemistry to characterize the process of intronic MiMIC containing genes tagging with the use of a genetic toolkit
Not Applicable / 1:1000	eLife (Jun 2015; 4: null) <b>"A genetic toolkit for tagging intronic MiMIC containing genes."</b> Author(s):Nagarkar-Jaiswal S,DeLuca SZ,Lee PT,Lin WW,Pan H,Zuo Z,Lv J,Spradling AC,Bellen HJ PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.08469">http://dx.doi.org/10.7554/eLife.08469</a>
	A-11122 was used in immunohistochemistry to study the effect of Nkx2.2 deletion in the nervous system
Not Applicable / 1:2000	Differentiation; research in biological diversity (Jun 2015; 89: 70) <b>"Generation of a Nkx2.2(Cre) knock-in mouse line: Analysis of cell lineages in the central nervous system."</b> Author(s):Jarrar W,Vauti F,Arnold HH,Holz A PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.diff.2015.03.001">http://dx.doi.org/10.1016/j.diff.2015.03.001</a>
	A-11122 was used in immunohistochemistry to determine the effect of Sirt1 deletion on islet cells and blood glucose.
Not Applicable / Not Cited	PloS one (Jun 2015; 10: null) <b>"Pancreas-Specific Sirt1-Deficiency in Mice Compromises Beta-Cell Function without Development of Hyperglycemia ."</b> Author(s):Pinho AV,Bensellam M,Wauters E,Rees M,Giry-Laterriere M,Mawson A,Ly le Q,Biankin AV,Wu J,Laybutt DR,Rooman I PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0128012">http://dx.doi.org/10.1371/journal.pone.0128012</a>
	A-11122 was used in immunohistochemistry to assess the motivational characteristics of two separate neuron populations that regulate energy and fluid homeostasis
Not Applicable / 1:5000	Nature (May 2015; 521: 180) <b>"Neurons for hunger and thirst transmit a negative-valence teaching signal."</b> Author(s):Betley JN,Xu S,Cao ZF,Gong R,Magnus CJ,Yu Y,Sternson SM PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature14416">http://dx.doi.org/10.1038/nature14416</a>
	A-11122 was used in immunohistochemistry to identify FGF22 as a regulator of circuit remodeling in the injured spinal cord.
Not Applicable / 1:500	The EMBO journal (May 2015; 34: 1231) <b>"FGF22 signaling regulates synapse formation during post-injury remodeling of the spinal cord."</b> Author(s):Jacobi A,Loy K,Schmalz AM,Hellsten M,Umemori H,Kerschensteiner M,Bareyre FM PubMed Article URL: <a href="http://dx.doi.org/10.15252/embj.201490578">http://dx.doi.org/10.15252/embj.201490578</a>
	A-11122 was used in immunohistochemistry to report that parvalbumin interneurons are crucial for the formation of a reliable visual cortical representations of natural stimuli.
Not Applicable / 1:1000	Nature communications (Apr 2015; 6: null) <b>"Control of response reliability by parvalbumin-expressing interneurons in visual cortex."</b> Author(s):Zhu Y,Qiao W,Liu K,Zhong H,Yao H PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncomms7802">http://dx.doi.org/10.1038/ncomms7802</a>

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	A-11122 was used in immunohistochemistry to describe a method to examine the developmental pathways that link specific subtypes of neurons in mice
Mouse / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (Apr 2015; 35: 5549) <b>"Fertility-regulating Kiss1 neurons arise from hypothalamic POMC-expressing progenitors."</b> Author(s):Sanz E, Quintana A, Deem JD, Steiner RA, Palmiter RD, McKnight GS PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3614-14.2015">http://dx.doi.org/10.1523/JNEUROSCI.3614-14.2015</a>
	A-11122 was used in immunohistochemistry to identify and characterize a novel FMR1 mutation.
Not Applicable / 1:500	EMBO molecular medicine (Apr 2015; 7: 423) <b>"A novel fragile X syndrome mutation reveals a conserved role for the carboxy-terminus in FMRP localization and function."</b> Author(s):Okroy Z, de Esch CE, Van Esch H, Devriendt K, Claeys A, Yan J, Verbeeck J, Froyen G, Willemsen R, de Vrij FM, Hassan BA PubMed Article URL: <a href="http://dx.doi.org/10.15252/emmm.201404576">http://dx.doi.org/10.15252/emmm.201404576</a>
	A-11122 was used in immunohistochemistry and western blot to study the role of VE-cadherin in fluid shear stress
Not Applicable / 1:400	The Journal of cell biology (Mar 2015; 208: 975) <b>"Intramembrane binding of VE-cadherin to VEGFR2 and VEGFR3 assembles the endothelial mechanosensory complex."</b> Author(s):Coon BG, Baeyens N, Han J, Budatha M, Ross TD, Fang JS, Yun S, Thomas JL, Schwartz MA PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201408103">http://dx.doi.org/10.1083/jcb.201408103</a>
	A-11122 was used in immunohistochemistry and western blot to elucidate the contributions of Kid and CENP-E in chromosome congression.
Not Applicable / 1:2000	Nature communications (Mar 2015; 6: null) <b>"Chromokinesin Kid and kinetochore kinesin CENP-E differentially support chromosome congression without end-on attachment to microtubules."</b> Author(s):Iemura K, Tanaka K PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncomms7447">http://dx.doi.org/10.1038/ncomms7447</a>
	A-11122 was used in immunohistochemistry to analyze the accumulation of intermediate filament protein accumulation in motor neurons obtained from giant axonal neuropathy iPSCs and the rescue by restoration of gigaxonin
Not Applicable / 1:5000	Human molecular genetics (Mar 2015; 24: 1420) <b>"Intermediate filament protein accumulation in motor neurons derived from giant axonal neuropathy iPSCs rescued by restoration of gigaxonin."</b> Author(s):Johnson-Kerner BL, Ahmad FS, Diaz AG, Greene JP, Gray SJ, Samulski RJ, Chung WK, Van Coster R, Maertens P, Noggle SA, Henderson CE, Wichterle H PubMed Article URL: <a href="http://dx.doi.org/10.1093/hmg/ddu556">http://dx.doi.org/10.1093/hmg/ddu556</a>
	A-11122 was used in immunohistochemistry to investigate the role of Tregs in nerve injury-induced pain hypersensitivity.
Not Applicable / 1:500	Cytokine (Feb 2015; 71: 207) <b>"Depletion of Foxp3+ regulatory T cells increases severity of mechanical allodynia and significantly alters systemic cytokine levels following peripheral nerve injury."</b> Author(s):Lees JG, Duffy SS, Perera CJ, Moalem-Taylor G PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.cyto.2014.10.028">http://dx.doi.org/10.1016/j.cyto.2014.10.028</a>
	A-11122 was used in immunohistochemistry to study the role of theta-opioid receptors in decision making in the accumbens shell.
Mouse / 1:300	British journal of pharmacology (Jan 2015; 172: 562) <b>"<math>\mu</math>-Opioid receptors in the accumbens shell mediate the influence of both excitatory and inhibitory predictions on choice."</b> Author(s):Laurent V, Wong FL, Balleine BW PubMed Article URL: <a href="http://dx.doi.org/10.1111/bph.12731">http://dx.doi.org/10.1111/bph.12731</a>
	A-11122 was used in immunohistochemistry to studying the mushroom body neuronal architecture provides a logic for associative learning
Not Applicable / 1:1000	eLife (Dec 2014; 3: null) <b>"The neuronal architecture of the mushroom body provides a logic for associative learning."</b> Author(s):Aso Y, Hattori D, Yu Y, Johnston RM, Iyer NA, Ngo TT, Dionne H, Abbott LF, Axel R, Tanimoto H, Rubin GM PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.04577">http://dx.doi.org/10.7554/eLife.04577</a>

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	A-11122 was used in immunohistochemistry to describe a method for transsynaptic tracing in mouse embryos using the novel recombinant ROSA26 alleles.
Not Applicable / Not Cited	Journal of visualized experiments : JoVE (Dec 2014; null: null) <b>"Conditional genetic transsynaptic tracing in the embryonic mouse brain."</b> Author(s):Kumar D,Boehm U PubMed Article URL: <a href="http://dx.doi.org/10.3791/52487">http://dx.doi.org/10.3791/52487</a>
	A-11122 was used in immunohistochemistry to study the functional distinction and overlapping between subthalamic nucleus and zona incerta in rats
Rat / 1:2000	The Journal of comparative neurology (Dec 2014; 522: 4043) <b>"Rat subthalamic nucleus and zona incerta share extensively overlapped representations of cortical functional territories."</b> Author(s):Kita T,Osten P,Kita H PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.23655">http://dx.doi.org/10.1002/cne.23655</a>
	A-11122 was used in immunohistochemistry to study Nasrat and Polehole during development.
Not Applicable / 1:300	Fly (Dec 2014; 8: 113) <b>"Germline and somatic vitelline proteins colocalize in aggregates in the follicular epithelium of Drosophila ovaries."</b> Author(s):Furriols M,Casanova J PubMed Article URL: <a href="http://dx.doi.org/10.4161/fly.29133">http://dx.doi.org/10.4161/fly.29133</a>
	A-11122 was used in immunohistochemistry to investigate how the cerebellum and the basal ganglia regulate movement
Not Applicable / Not Cited	Nature neuroscience (Dec 2014; 17: 1767) <b>"Short latency cerebellar modulation of the basal ganglia."</b> Author(s):Chen CH,Fremont R,Arteaga-Bracho EE,Khodakhah K PubMed Article URL: <a href="http://dx.doi.org/10.1038/nn.3868">http://dx.doi.org/10.1038/nn.3868</a>
	A-11122 was used in immunohistochemistry to study the role of Gone early in gametogenesis.
Not Applicable / 1:500	PLoS one (Nov 2014; 9: null) <b>"gone early, a novel germline factor, ensures the proper size of the stem cell precursor pool in the Drosophila ovary."</b>  Author(s):Matsuoka S,Gupta S,Suzuki E,Hiroshi Y,Asaoka M PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0113423">http://dx.doi.org/10.1371/journal.pone.0113423</a>
	A-11122 was used in immunohistochemistry to characterize a Xenopus tropicalis rax mutant.
Not Applicable / 1:500	Developmental biology (Nov 2014; 395: 317) <b>"Xenopus mutant reveals necessity of rax for specifying the eye field which otherwise forms tissue with telencephalic and diencephalic character."</b> Author(s):Fish MB,Nakayama T,Fisher M,Hirsch N,Cox A,Reeder R,Carruthers S,Hall A,Stemple DL,Grainger RM PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2014.09.004">http://dx.doi.org/10.1016/j.ydbio.2014.09.004</a>
	A-11122 was used in immunohistochemistry to investigate the mechanism underlying traveling waves of clock gene expression during development
Not Applicable / 1:200	Development (Cambridge, England) (Nov 2014; 141: 4158) <b>"Spatial gradients of protein-level time delays set the pace of the traveling segmentation clock waves."</b> Author(s):Ay A,Holland J,Sperlea A,Devakanmalai GS,Knierer S,Sangervasi S,Stevenson A,Ozbudak EM PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.111930">http://dx.doi.org/10.1242/dev.111930</a>
	A-11122 was used in immunohistochemistry to develop a technique to create a localized injury in the posterior lateral line nerve of zebrafish and follow the fate of both neurons and Schwann cells
Not Applicable / 1:500	Neural development (Oct 2014; 9: null) <b>"Axon-Schwann cell interactions during peripheral nerve regeneration in zebrafish larvae."</b> Author(s):Ceci ML,Mardones-Krsulovic C,Sánchez M,Valdivia LE,Allende ML PubMed Article URL: <a href="http://dx.doi.org/10.1186/1749-8104-9-22">http://dx.doi.org/10.1186/1749-8104-9-22</a>
	A-11122 was used in immunohistochemistry to identify Brat as a mediator of axon maintenance in the Drosophila central nervous system.
Not Applicable / 1:1000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Oct 2014; 34: 13855) <b>"The TRIM-NHL protein Brat promotes axon maintenance by repressing src64B expression."</b> Author(s):Marchetti G,Reichardt I,Knoblich JA,Besse F PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3285-13.2014">http://dx.doi.org/10.1523/JNEUROSCI.3285-13.2014</a>

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	A-11122 was used in immunohistochemistry to describe a method to align images manually.
Not Applicable / Not Cited	<p>Methods in cell biology (Oct 2014; 124: 391)</p> <p><b>"Correlation of the same fields imaged in the TEM, confocal, LM, and microCT by image registration: from specimen preparation to displaying a final composite image."</b></p> <p>Author(s):Keene DR,Tufa SF,Wong MH,Smith NR,Sakai LY,Horton WA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/B978-0-12-801075-4.00018-5">http://dx.doi.org/10.1016/B978-0-12-801075-4.00018-5</a></p>
	A-11122 was used in immunohistochemistry to assess the role of Piccolino in the ear and eye
Not Applicable / 1:2000	<p>Frontiers in cellular neuroscience (Sep 2014; 8: null)</p> <p><b>"In vivo knockdown of Piccolino disrupts presynaptic ribbon morphology in mouse photoreceptor synapses."</b></p> <p>Author(s):Regus-Leidig H,Fuchs M,Löhner M,Leist SR,Leal-Ortiz S,Chiodo VA,Hauswirth WW,Garner CC,Brandstätter JH</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.3389/fncel.2014.00259">http://dx.doi.org/10.3389/fncel.2014.00259</a></p>
	A-11122 was used in immunohistochemistry to study the neural circuit mechanisms underlying the integration of sweet and bitter taste.
Not Applicable / 1:1000	<p>Current biology : CB (Sep 2014; 24: 1978)</p> <p><b>"Presynaptic gain control drives sweet and bitter taste integration in Drosophila."</b></p> <p>Author(s):Chu B,Chui V,Mann K,Gordon MD</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.cub.2014.07.020">http://dx.doi.org/10.1016/j.cub.2014.07.020</a></p>
	A-11122 was used in immunohistochemistry to investigate the regulation of Celsr3 in the peripheral nervous system
Not Applicable / 1:2000	<p>Nature neuroscience (Sep 2014; 17: 1171)</p> <p><b>"Celsr3 is required in motor neurons to steer their axons in the hindlimb."</b></p> <p>Author(s):Chai G,Zhou L,Manto M,Helmbacher F,Clotman F,Goffinet AM,Tissir F</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nn.3784">http://dx.doi.org/10.1038/nn.3784</a></p>
	A-11122 was used in immunohistochemistry to describe methods to block specific miRNA-MRE interactions at any point during development.
Not Applicable / 1:1000	<p>Nature communications (Aug 2014; 5: null)</p> <p><b>"Understanding functional miRNA-target interactions in vivo by site-specific genome engineering."</b></p> <p>Author(s):Bassett AR,Azzam G,Wheatley L,Tibbit C,Rajakumar T,McGowan S,Stanger N,Ewels PA,Taylor S,Ponting CP,Liu JL,Sauka-Spengler T,Fulga TA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/ncomms5640">http://dx.doi.org/10.1038/ncomms5640</a></p>
	A-11122 was used in immunohistochemistry to determine if the rapid response to electric field pulses is due to direct activation of Mauthner cells
Not Applicable / 1:1000	<p>Journal of neurophysiology (Aug 2014; 112: 834)</p> <p><b>"Direct activation of the Mauthner cell by electric field pulses drives ultrarapid escape responses."</b></p> <p>Author(s):Tabor KM,Bergeron SA,Horstick EJ,Jordan DC,Aho V,Porkka-Heiskanen T,Haspel G,Burgess HA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1152/jn.00228.2014">http://dx.doi.org/10.1152/jn.00228.2014</a></p>
	A-11122 was used in immunohistochemistry to test the body-wide tropism of the Ad5-myeloid cell-binding peptide-expressing vector, its myeloid cell necessity, and vector-endothelial cell expression dose response.
Not Applicable / 1:400	<p>Laboratory investigation; a journal of technical methods and pathology (Aug 2014; 94: 881)</p> <p><b>"The myeloid-binding peptide adenoviral vector enables multi-organ vascular endothelial gene targeting."</b></p> <p>Author(s):Lu ZH,Kaliberov S,Zhang J,Muz B,Azab AK,Sohn RE,Kaliberova L,Du Y,Curiel DT,Arbeit JM</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/labinvest.2014.78">http://dx.doi.org/10.1038/labinvest.2014.78</a></p>
	A-11122 was used in immunohistochemistry to find new non-apoptotic roles for Yki, DIAP1 and Ice in epithelial tube size regulation
Not Applicable / Not Cited	<p>PloS one (Jul 2014; 9: null)</p> <p><b>"Non-canonical roles for Yorkie and Drosophila Inhibitor of Apoptosis 1 in epithelial tube size control."</b></p> <p>Author(s):Robbins RM,Gbur SC,Beitel GJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0101609">http://dx.doi.org/10.1371/journal.pone.0101609</a></p>
	A-11122 was used in immunohistochemistry and western blot to elucidate a major determinant of late-stage adult neurogenesis by ALK5-dependent TGF-beta signaling
Not Applicable / 1:500	<p>Nature neuroscience (Jul 2014; 17: 943)</p> <p><b>"ALK5-dependent TGF-β signaling is a major determinant of late-stage adult neurogenesis."</b></p> <p>Author(s):He Y,Zhang H,Yung A,Villeda SA,Jaeger PA,Olayiwola O,Fainberg N,Wyss-Coray T</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nn.3732">http://dx.doi.org/10.1038/nn.3732</a></p>

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	A-11122 was used in immunohistochemistry to compare adeno-associated virus and biotinylated dextran amine for their effectiveness as an anterograde neuronal tracer.
Mouse / 1:2000	The Journal of comparative neurology (Jun 2014; 522: 1989) <b>"Systematic comparison of adeno-associated virus and biotinylated dextran amine reveals equivalent sensitivity between tracers and novel projection targets in the mouse brain."</b> Author(s):Wang Q,Henry AM,Harris JA,Oh SW,Joines KM,Nyhus J,Hirokawa KE,Dee N,Mortrud M,Parry S,Ouellette B,Caldejon S,Bernard A,Jones AR,Zeng H,Hohmann JG PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.23567">http://dx.doi.org/10.1002/cne.23567</a>
Not Applicable / 1:500	A-11122 was used in immunohistochemistry to investigate ephrin-B2/EphA4 signaling in cortical neuron migration. Neuroscience bulletin (Jun 2014; 30: 425) <b>"Ephrin-B2/EphA4 forward signaling is required for regulation of radial migration of cortical neurons in the mouse."</b> Author(s):Hu Y,Li S,Jiang H,Li MT,Zhou JW PubMed Article URL: <a href="http://dx.doi.org/10.1007/s12264-013-1404-1">http://dx.doi.org/10.1007/s12264-013-1404-1</a>
Mouse / Not Cited	A-11122 was used in immunohistochemistry to study the biogenesis of rod outer segments and the indispensable role of chaperonin containing t-complex protein-1. Investigative ophthalmology and visual science (May 2014; 55: 3775) <b>"Essential role of the chaperonin CCT in rod outer segment biogenesis."</b> Author(s):Sinha S,Belcastro M,Datta P,Seo S,Sokolov M PubMed Article URL: <a href="http://dx.doi.org/10.1167/iov.14-13889">http://dx.doi.org/10.1167/iov.14-13889</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to test if mild chronic diffuse smoke injury attracts fetal cells to maternal lungs. PloS one (May 2014; 9: null) <b>"Cigarette smoke exposure during pregnancy alters fetomaternal cell trafficking leading to retention of microchimeric cells in the maternal lung."</b> Author(s):Vogelgesang A,Scapin C,Barone C,Tam E,Blumental Perry A,Dammann CE PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0088285">http://dx.doi.org/10.1371/journal.pone.0088285</a>
Not Applicable / 1:200	A-11122 was used in immunohistochemistry to analyze glomerular glutamatergic neurons and their control of sensory information transfer in the mouse olfactory bulb Nature communications (May 2014; 5: null) <b>"A population of glomerular glutamatergic neurons controls sensory information transfer in the mouse olfactory bulb."</b> Author(s):Tatti R,Bhaukaurally K,Gschwend O,Seal RP,Edwards RH,Rodriguez I,Carleton A PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncomms4791">http://dx.doi.org/10.1038/ncomms4791</a>
Not Applicable / 1:400	A-11122 was used in immunohistochemistry to describe a whole mount immunological labeling method to assay in vivo olfactory receptor neurons. Journal of visualized experiments : JoVE (May 2014; null: null) <b>"Whole mount immunolabeling of olfactory receptor neurons in the Drosophila antenna."</b> Author(s):Karim MR,Endo K,Moore AW,Taniguchi H PubMed Article URL: <a href="http://dx.doi.org/10.3791/51245">http://dx.doi.org/10.3791/51245</a>
Not Applicable / 1:1000	A-11122 was used in immunohistochemistry to study the modified Drosophila genome due to TALEN- and CRISPR/Cas9-mediated homologous recombination Biology open (Apr 2014; 3: 271) <b>"Various applications of TALEN- and CRISPR/Cas9-mediated homologous recombination to modify the Drosophila genome."</b> Author(s):Yu Z,Chen H,Liu J,Zhang H,Yan Y,Zhu N,Guo Y,Yang B,Chang Y,Dai F,Liang X,Chen Y,Shen Y,Deng WM,Chen J,Zhang B,Li C,Jiao R PubMed Article URL: <a href="http://dx.doi.org/10.1242/bio.20147682">http://dx.doi.org/10.1242/bio.20147682</a>
Mouse / 1:3000	A-11122 was used in immunohistochemistry to elucidate the synaptic connectivity for TRPM8-mediated cold information. PloS one (Apr 2014; 9: null) <b>"Central connectivity of transient receptor potential melastatin 8-expressing axons in the brain stem and spinal dorsal horn."</b> Author(s):Kim YS,Park JH,Choi SJ,Bae JY,Ahn DK,McKemy DD,Bae YC PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0094080">http://dx.doi.org/10.1371/journal.pone.0094080</a>

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	A-11122 was used in immunohistochemistry to study the tissue specific effects of oncogenes.
Not Applicable / 1:500	Biology open (Mar 2014; 3: 201) <b>"Oncogenic mutations produce similar phenotypes in Drosophila tissues of diverse origins."</b> Author(s):Stickel S,Su TT PubMed Article URL: <a href="http://dx.doi.org/10.1242/bio.20147161">http://dx.doi.org/10.1242/bio.20147161</a>
	A-11122 was used in immunohistochemistry to study the relationship between maternal stress and the gamma-aminobutyric acid synthesizing enzyme glutamate decarboxylase 67.
Not Applicable / 1:1000	Translational psychiatry (Mar 2014; 4: null) <b>"Selective loss of parvalbumin-positive GABAergic interneurons in the cerebral cortex of maternally stressed Gad1-heterozygous mouse offspring."</b> Author(s):Uchida T,Furukawa T,Iwata S,Yanagawa Y,Fukuda A PubMed Article URL: <a href="http://dx.doi.org/10.1038/tp.2014.13">http://dx.doi.org/10.1038/tp.2014.13</a>
	A-11122 was used in immunohistochemistry to determine how the modulation of the PI3K pathway in a cell-autonomous manner restricts growth through the Drosophila insulin-degrading enzyme
Not Applicable / 1:1000	Molecular biology of the cell (Mar 2014; 25: 916) <b>"The Drosophila insulin-degrading enzyme restricts growth by modulating the PI3K pathway in a cell-autonomous manner."</b> Author(s):Galagovsky D,Katz MJ,Acevedo JM,Sorianello E,Glavic A,Wappner P PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E13-04-0213">http://dx.doi.org/10.1091/mbc.E13-04-0213</a>
	A-11122 was used in immunohistochemistry to discuss the composition of the optic lobe in Drosophila.
Not Applicable / 1:500	Neural development (Feb 2014; 9: null) <b>"Proper connectivity of Drosophila motion detector neurons requires Atonal function in progenitor cells."</b> Author(s):Oliva C,Choi CM,Nicolai LJ,Mora N,De Geest N,Hassan BA PubMed Article URL: <a href="http://dx.doi.org/10.1186/1749-8104-9-4">http://dx.doi.org/10.1186/1749-8104-9-4</a>
	A-11122 was used in immunohistochemistry to determine the developmental time at which cells that participate in image-forming and non-image-forming tasks come on-line in the retina
Not Applicable / 1:400	Neural development (Feb 2014; 9: null) <b>"Wiring the retinal circuits activated by light during early development."</b> Author(s):Bertolesi GE,Hehr CL,McFarlane S PubMed Article URL: <a href="http://dx.doi.org/10.1186/1749-8104-9-3">http://dx.doi.org/10.1186/1749-8104-9-3</a>
	A-11122 was used in immunohistochemistry to study the role of MADF-BESS genes in wing hinge development.
Not Applicable / 1:1000	Genetics (Feb 2014; 196: 481) <b>"Gene duplication, lineage-specific expansion, and subfunctionalization in the MADF-BESS family patterns the Drosophila wing hinge."</b> Author(s):Shukla V,Habib F,Kulkarni A,Ratnaparkhi GS PubMed Article URL: <a href="http://dx.doi.org/10.1534/genetics.113.160531">http://dx.doi.org/10.1534/genetics.113.160531</a>
	A-11122 was used in immunohistochemistry to assess the contribution of allelic variants of beta4 to nicotine receptor activity in the medial habenula.
Not Applicable / 1:1000	Frontiers in human neuroscience (Jan 2014; 8: null) <b>"Habenular expression of rare missense variants of the <math>\beta 4</math> nicotinic receptor subunit alters nicotine consumption."</b> Author(s):Slimak MA,Ables JL,Frahm S,Antolin-Fontes B,Santos-Torres J,Moretti M,Gotti C,Ibañez-Tallon I PubMed Article URL: <a href="http://dx.doi.org/10.3389/fnhum.2014.00012">http://dx.doi.org/10.3389/fnhum.2014.00012</a>
	A-11122 was used in immunohistochemistry to show that Dscam1 has no role in adult Drosophila motoneuron dendrite spacing but is required for motoneuron dendritic growth.
Not Applicable / 1:200	The Journal of neuroscience : the official journal of the Society for Neuroscience (Jan 2014; 34: 1924) <b>"Dscam1 is required for normal dendrite growth and branching but not for dendritic spacing in Drosophila motoneurons."</b> Author(s):Hutchinson KM,Vonhoff F,Duch C PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3448-13.2014">http://dx.doi.org/10.1523/JNEUROSCI.3448-13.2014</a>
	A-11122 was used in immunohistochemistry to study the composition of taste neurons in terms of TrkB-receptor.
Mouse / 1:1000	PloS one (Jan 2014; 8: null) <b>"Taste neurons consist of both a large TrkB-receptor-dependent and a small TrkB-receptor-independent subpopulation."</b> Author(s):Fei D,Krimm RF PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0083460">http://dx.doi.org/10.1371/journal.pone.0083460</a>

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	A-11122 was used in immunohistochemistry to test if obesity is associated with accumulation of peripheral immune cells into the central nervous system
Not Applicable / 1:5000	Brain, behavior, and immunity (Jan 2014; 35: 33) <b>"Obesity induced by a high-fat diet is associated with increased immune cell entry into the central nervous system."</b> Author(s):Buckman LB,Hasty AH,Flaherty DK,Buckman CT,Thompson MM,Matlock BK,Weller K,Ellacott KL PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bbi.2013.06.007">http://dx.doi.org/10.1016/j.bbi.2013.06.007</a>
	A-11122 was used in immunohistochemistry to study adenoviral vectors that target tumor vascular endothelial cells.
Not Applicable / 1:400	PloS one (Dec 2013; 8: null) <b>"Transcriptional targeting of primary and metastatic tumor neovasculature by an adenoviral type 5 roundabout4 vector in mice."</b> Author(s):Lu ZH,Kaliberov S,Sohn RE,Kaliberova L,Curiel DT,Arbeit JM PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0083933">http://dx.doi.org/10.1371/journal.pone.0083933</a>
	A-11122 was used in immunohistochemistry to investigate the molecular mechanisms that mediate -TuC association with the nuclear envelope.
Not Applicable / 1:500	Frontiers in plant science (Dec 2013; 4: null) <b>"The GIP gamma-tubulin complex-associated proteins are involved in nuclear architecture in Arabidopsis thaliana."</b> Author(s):Batzenschlager M,Masoud K,Janski N,Houlné G,Herzog E,Evrard JL,Baumberger N,Erhardt M,Nominé Y,Kieffer B,Schmit AC,Chabouté ME PubMed Article URL: <a href="http://dx.doi.org/10.3389/fpls.2013.00480">http://dx.doi.org/10.3389/fpls.2013.00480</a>
	A-11122 was used in immunohistochemistry to report how Frizzled3 deficiency alters development
Not Applicable / Not Cited	eLife (Dec 2013; 2: null) <b>"Frizzled3 controls axonal development in distinct populations of cranial and spinal motor neurons."</b> Author(s):Hua ZL,Smallwood PM,Nathans J PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.01482">http://dx.doi.org/10.7554/eLife.01482</a>
	A-11122 was used in immunohistochemistry to study the role of HUWE expression on the developing nervous system.
Not Applicable / 1:500	PloS one (Dec 2013; 8: null) <b>"Ubiquitin ligase HUWE1 regulates axon branching through the Wnt/<math>\beta</math>-catenin pathway in a Drosophila model for intellectual disability."</b> Author(s):Vandewalle J,Langen M,Zschätzsch M,Zschaetzsch M,Nijhof B,Kramer JM,Brems H,Bauters M,Lauwers E,Srahna M,Marynen P,Verstreken P,Schenck A,Hassan BA,Froyen G PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0081791">http://dx.doi.org/10.1371/journal.pone.0081791</a>
	A-11122 was used in immunohistochemistry to study the role of epigenetic regulation of cell fate using Drosophila ovarian germline stem cells.
Not Applicable / 1:1000	Developmental biology (Dec 2013; 384: 1) <b>"The Drosophila putative histone acetyltransferase Enok maintains female germline stem cells through regulating Bruno and the niche."</b> Author(s):Xin T,Xuan T,Tan J,Li M,Zhao G,Li M PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2013.10.001">http://dx.doi.org/10.1016/j.ydbio.2013.10.001</a>
	A-11122 was used in immunohistochemistry to study the release of synaptic vesicles
Not Applicable / 1:500	eLife (Nov 2013; 2: null) <b>"Position of UNC-13 in the active zone regulates synaptic vesicle release probability and release kinetics."</b> Author(s):Zhou K,Stawicki TM,Goncharov A,Jin Y PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.01180">http://dx.doi.org/10.7554/eLife.01180</a>
	A-11122 was used in immunohistochemistry to identify and characterize neurons in the parabrachial nucleus that regulate feeding
Not Applicable / 1:1000	Nature (Nov 2013; 503: 111) <b>"Genetic identification of a neural circuit that suppresses appetite."</b> Author(s):Carter ME,Soden ME,Zweifel LS,Palmiter RD PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature12596">http://dx.doi.org/10.1038/nature12596</a>

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	A-11122 was used in immunohistochemistry to discover a pathway from MC4R-expressing neurons in the dorsal motor nucleus of the vagus nerve to the intrapancreatic ganglia.
Not Applicable / 1:2000	Brain research (Nov 2013; 1537: 132) <b>"Intrapancreatic ganglia neurons receive projection fibers from melanocortin-4 receptor-expressing neurons in the dorsal motor nucleus of the vagus nerve of the mouse."</b> Author(s):Tsumori T,Oka T,Yokota S,Niu JG,Yasui Y PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.brainres.2013.09.002">http://dx.doi.org/10.1016/j.brainres.2013.09.002</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to study manganese tolerance in the rice plant ( <i>Oryza sativa</i> L.).  Journal of experimental botany (Nov 2013; 64: 4375) <b>"Mn tolerance in rice is mediated by MTP8.1, a member of the cation diffusion facilitator family."</b> Author(s):Chen Z,Fujii Y,Yamaji N,Masuda S,Takemoto Y,Kamiya T,Yusuyin Y,Iwasaki K,Kato S,Maeshima M,Ma JF,Ueno D PubMed Article URL: <a href="http://dx.doi.org/10.1093/jxb/ert243">http://dx.doi.org/10.1093/jxb/ert243</a>
Mouse / Not Cited	A-11122 was used in immunohistochemistry to study the relationship between GLI3 repressor activity and sonic hedgehog signaling and its role in multiple adult neural stem cell and astrocyte functions  The Journal of neuroscience : the official journal of the Society for Neuroscience (Oct 2013; 33: 17490) <b>"Titration of GLI3 repressor activity by sonic hedgehog signaling is critical for maintaining multiple adult neural stem cell and astrocyte functions."</b> Author(s):Petrova R,Garcia AD,Joyner AL PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.2042-13.2013">http://dx.doi.org/10.1523/JNEUROSCI.2042-13.2013</a>
Not Applicable / 1:1000	A-11122 was used in immunohistochemistry to investigate the role of "non-genomic" steroid actions on biological behavior.  PLoS genetics (Oct 2013; 9: null) <b>"A novel role for ecdysone in Drosophila conditioned behavior: linking GPCR-mediated non-canonical steroid action to cAMP signaling in the adult brain."</b> Author(s):Ishimoto H,Wang Z,Rao Y,Wu CF,Kitamoto T PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1003843">http://dx.doi.org/10.1371/journal.pgen.1003843</a>
Not Applicable / 1:500	A-11122 was used in immunohistochemistry to investigate the involvement of theta-opioid receptors in learning and the cognitive control of action.  The Journal of neuroscience : the official journal of the Society for Neuroscience (Oct 2013; 33: 16060) <b>"Learning-related translocation of <math>\mu</math>-opioid receptors on ventral striatal cholinergic interneurons mediates choice between goal-directed actions."</b> Author(s):Bertran-Gonzalez J,Laurent V,Chieng BC,Christie MJ,Balleine BW PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.1927-13.2013">http://dx.doi.org/10.1523/JNEUROSCI.1927-13.2013</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to test if apoptosis and autophagy work in parallel to degrade and remove nurse cells.  PloS one (Oct 2013; 8: null) <b>"Combined inhibition of autophagy and caspases fails to prevent developmental nurse cell death in the Drosophila melanogaster ovary."</b> Author(s):Peterson JS,McCall K PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0076046">http://dx.doi.org/10.1371/journal.pone.0076046</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to elucidate the molecular mechanism by which Valsartan regulates cognitive function.  Biochemical and biophysical research communications (Oct 2013; 439: 464) <b>"Antihypertensive drug Valsartan promotes dendritic spine density by altering AMPA receptor trafficking."</b> Author(s):Sohn YI,Lee NJ,Chung A,Saavedra JM,Scott Turner R,Pak DT,Hoe HS PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bbrc.2013.08.091">http://dx.doi.org/10.1016/j.bbrc.2013.08.091</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to discuss IL-25 and IL-33 in the context of asthma.  The Journal of allergy and clinical immunology (Oct 2013; 132: 933) <b>"IL-33 is more potent than IL-25 in provoking IL-13-producing nuocytes (type 2 innate lymphoid cells) and airway contraction."</b> Author(s):Barlow JL,Peel S,Fox J,Panova V,Hardman CS,Camelo A,Bucks C,Wu X,Kane CM,Neill DR,Flynn RJ,Sayers I,Hall IP,McKenzie AN PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jaci.2013.05.012">http://dx.doi.org/10.1016/j.jaci.2013.05.012</a>

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Not Applicable / Not Cited	Journal of neuroscience methods (Sep 2013; 218: 139) <b>"Long-lasting single-neuron labeling by in vivo electroporation without microscopic guidance."</b> Author(s):Oyama K,Ohara S,Sato S,Karube F,Fujiyama F,Isomura Y,Mushiake H,Iijima T,Tsutsui K PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jneumeth.2013.06.004">http://dx.doi.org/10.1016/j.jneumeth.2013.06.004</a>
	A-11122 was used in immunohistochemistry to identify E3 ligase involved in pruning
Not Applicable / 1:1000	PLoS biology (Sep 2013; 11: null) <b>"A Cullin1-based SCF E3 ubiquitin ligase targets the InR/PI3K/TOR pathway to regulate neuronal pruning."</b> Author(s):Wong JJ,Li S,Lim EK,Wang Y,Wang C,Zhang H,Kirilly D,Wu C,Liou YC,Wang H,Yu F PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pbio.1001657">http://dx.doi.org/10.1371/journal.pbio.1001657</a>
	A-11122 was used in immunohistochemistry to compare intestinal stem cells from different subregions
Not Applicable / 1:1000	eLife (Aug 2013; 2: null) <b>"Physiological and stem cell compartmentalization within the Drosophila midgut."</b> Author(s):Marianes A,Spradling AC PubMed Article URL: <a href="http://dx.doi.org/10.7554/eLife.00886">http://dx.doi.org/10.7554/eLife.00886</a>
	A-11122 was used in immunohistochemistry to evaluate the ability of embryonic stem cell-derived neural progenitor cells to repair brain damage in an hypoxic-ischemic encephalopathy mouse model
Not Applicable / 10 µg/ml	Frontiers in cellular neuroscience (Aug 2013; 7: null) <b>"Cortical region-specific engraftment of embryonic stem cell-derived neural progenitor cells restores axonal sprouting to a subcortical target and achieves motor functional recovery in a mouse model of neonatal hypoxic-ischemic brain injury."</b> Author(s):Shinoyama M,Ideguchi M,Kida H,Kajiwara K,Kagawa Y,Maeda Y,Nomura S,Suzuki M PubMed Article URL: <a href="http://dx.doi.org/10.3389/fncel.2013.00128">http://dx.doi.org/10.3389/fncel.2013.00128</a>
	A-11122 was used in immunohistochemistry to study how integrity of epiblasts requires dystroglycan-mediated microtubule anchoring to the basal cortex and CLASP
Not Applicable / 1:1000	The Journal of cell biology (Aug 2013; 202: 637) <b>"Epiblast integrity requires CLASP and Dystroglycan-mediated microtubule anchoring to the basal cortex."</b> Author(s):Nakaya Y,Sukowati EW,Sheng G PubMed Article URL: <a href="http://dx.doi.org/10.1083/jcb.201302075">http://dx.doi.org/10.1083/jcb.201302075</a>
	A-11122 was used in immunohistochemistry to assess the extent and role of collaterals of capsaicin-sensitive nociceptive sacrocaudal afferent nerves.
Not Applicable / 1:500	The Journal of comparative neurology (Aug 2013; 521: 2870) <b>"Identification of multisegmental nociceptive afferents that modulate locomotor circuits in the neonatal mouse spinal cord."</b> Author(s):Mandadi S,Hong P,Tran MA,Bráz JM,Colarusso P,Basbaum AI,Whelan PJ PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.23321">http://dx.doi.org/10.1002/cne.23321</a>
	A-11122 was used in immunohistochemistry to investigate the role of repulsive guidance molecule a in hippocampal mossy fiber branching in vitro.
Rat / 1:1000	Neuroreport (Aug 2013; 24: 609) <b>"Repulsive guidance molecule a regulates hippocampal mossy fiber branching in vitro."</b> Author(s):Shibata K,Nakahara S,Shimizu E,Yamashita T,Matsuki N,Koyama R PubMed Article URL: <a href="http://dx.doi.org/10.1097/WNR.0b013e3283632c08">http://dx.doi.org/10.1097/WNR.0b013e3283632c08</a>
	A-11122 was used in immunohistochemistry to investigate Foxa2 function during organ development and homeostasis.
Not Applicable / 1:1000	Genesis (New York, N.Y. : 2000) (Aug 2013; 51: 596) <b>"Foxa2-venus fusion reporter mouse line allows live-cell analysis of endoderm-derived organ formation."</b> Author(s):Burtscher I,Barkey W,Lickert H PubMed Article URL: <a href="http://dx.doi.org/10.1002/dvg.22404">http://dx.doi.org/10.1002/dvg.22404</a>
	A-11122 was used in immunohistochemistry to assess the effects of soybean meal, soy protein, and soy saponin ingestion on zebrafish to establish the basis for using zebrafish larvae as a model for fish nutrition.
Not Applicable / Not Cited	PloS one (Jul 2013; 8: null) <b>"Soybean meal induces intestinal inflammation in zebrafish larvae."</b> Author(s):Hedra MI,Galdames JA,Jimenez-Reyes MF,Reyes AE,Avendaño-Herrera R,Romero J,Feijóo CG PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0069983">http://dx.doi.org/10.1371/journal.pone.0069983</a>

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	A-11122 was used in immunohistochemistry to characterize the different regulation of tumor and physiological angiogenesis in zebrafish by protein kinase D1 (PKD1)
Not Applicable / Not Cited	<p>PLoS one (Jul 2013; 8: null)</p> <p><b>"Different regulation of physiological and tumor angiogenesis in zebrafish by protein kinase D1 (PKD1)."</b></p> <p>Author(s):Hollenbach M,Stoll SJ,Jörgens K,Seufferlein T,Kroll J</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0068033">http://dx.doi.org/10.1371/journal.pone.0068033</a></p>
	A-11122 was used in immunohistochemistry to investigate the molecular events of neuronal necrosis and the mechanisms of this spreading death.
Not Applicable / Not Cited	<p>Cell death and disease (Jul 2013; 4: null)</p> <p><b>"Neuronal necrosis and spreading death in a Drosophila genetic model."</b></p> <p>Author(s):Yang Y,Hou L,Li Y,Ni J,Liu L</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/cddis.2013.232">http://dx.doi.org/10.1038/cddis.2013.232</a></p>
	A-11122 was used in immunohistochemistry to understand the role of TrkB in the integration of new periglomerular cells in the adult olfactory bulb.
Not Applicable / 1:1000	<p>The Journal of neuroscience : the official journal of the Society for Neuroscience (Jul 2013; 33: 11464)</p> <p><b>"TrkB signaling directs the incorporation of newly generated periglomerular cells in the adult olfactory bulb."</b></p> <p>Author(s):Bergami M,Vignoli B,Motori E,Pifferi S,Zuccaro E,Menini A,Canossa M</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1523/JNEUROSCI.4812-12.2013">http://dx.doi.org/10.1523/JNEUROSCI.4812-12.2013</a></p>
	A-11122 was used in immunohistochemistry to study the role of TRPM8 channels in insulin regulation.
Mouse / 1:500	<p>American journal of physiology. Endocrinology and metabolism (Jul 2013; 305: E78)</p> <p><b>"Enhanced insulin clearance in mice lacking TRPM8 channels."</b></p> <p>Author(s):McCoy DD,Zhou L,Nguyen AK,Watts AG,Donovan CM,McKemy DD</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1152/ajpendo.00542.2012">http://dx.doi.org/10.1152/ajpendo.00542.2012</a></p>
	A-11122 was used in immunohistochemistry to evaluate the transduction efficacy of nigral neurons with adeno-associated viral vectors
Rat / 1:1000	<p>Human gene therapy (Jun 2013; 24: 613)</p> <p><b>"Direct and retrograde transduction of nigral neurons with AAV6, 8, and 9 and intraneuronal persistence of viral particles."</b></p> <p>Author(s):Löw K,Aebischer P,Schneider BL</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1089/hum.2012.174">http://dx.doi.org/10.1089/hum.2012.174</a></p>
	A-11122 was used in immunohistochemistry to identify Cx45-positive neurones in the adult spinal dorsal horn.
Mouse / Not Cited	<p>Brain structure and function (May 2013; 218: 751)</p> <p><b>"Localization of neurones expressing the gap junction protein Connexin45 within the adult spinal dorsal horn: a study using Cx45-eGFP reporter mice."</b></p> <p>Author(s):Chapman RJ,Lall VK,Maxeiner S,Willecke K,Deuchars J,King AE</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1007/s00429-012-0426-1">http://dx.doi.org/10.1007/s00429-012-0426-1</a></p>
	A-11122 was used in immunohistochemistry to describe improvements for a xenotransplantation model to study myelodysplastic syndrome
Not Applicable / Not Cited	<p>Blood cancer journal (Apr 2013; 3: null)</p> <p><b>"Effect of intravenous coadministration of human stroma cell lines on engraftment of long-term repopulating clonal myelodysplastic syndrome cells in immunodeficient mice."</b></p> <p>Author(s):Li X,Marcondes AM,Ragoczy T,Telling A,Deeg HJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/bcj.2013.11">http://dx.doi.org/10.1038/bcj.2013.11</a></p>
	A-11122 was used in immunohistochemistry to characterize a mouse where Gs DREADD is selectively expressed in striatopallidal medium spiny neurons.
Not Applicable / 1:1000	<p>Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology (Apr 2013; 38: 854)</p> <p><b>"A G<sub>s</sub> DREADD mouse for selective modulation of cAMP production in striatopallidal neurons."</b></p> <p>Author(s):Farrell MS,Pei Y,Wan Y,Yadav PN,Daigle TL,Urban DJ,Lee HM,Sciaky N,Simmons A,Nonneman RJ,Huang XP,Hufeisen SJ,Guettier JM,Moy SS,Wess J,Caron MG,Calakos N,Roth BL</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/npp.2012.251">http://dx.doi.org/10.1038/npp.2012.251</a></p>

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	A-11122 was used in immunohistochemistry to investigate how acetylcholine motor neurons regulate <i>Caenorhabditis elegans</i> locomotion.
Not Applicable / Not Cited	<p>The Journal of neuroscience : the official journal of the Society for Neuroscience (Mar 2013; 33: 5319)</p> <p><b>"Hyperactivation of B-type motor neurons results in aberrant synchrony of the <i>Caenorhabditis elegans</i> motor circuit."</b></p> <p>Author(s):Qi YB,Po MD,Mac P,Kawano T,Jorgensen EM,Zhen M,Jin Y</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1523/JNEUROSCI.4017-12.2013">http://dx.doi.org/10.1523/JNEUROSCI.4017-12.2013</a></p>
	A-11122 was used in immunohistochemistry to measure FMRP isoforms in the brain.
Not Applicable / Not Cited	<p>PloS one (Mar 2013; 8: null)</p> <p><b>"FMR1 transcript isoforms: association with polyribosomes; regional and developmental expression in mouse brain."</b></p> <p>Author(s):Brackett DM,Qing F,Amieux PS,Sellers DL,Horner PJ,Morris DR</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0058296">http://dx.doi.org/10.1371/journal.pone.0058296</a></p>
	A-11122 was used in immunohistochemistry to assess the role of HOXC9 in lymphatic vessel development
Not Applicable / Not Cited	<p>PloS one (Mar 2013; 8: null)</p> <p><b>"HOXC9 regulates formation of parachordal lymphangioplasts and the thoracic duct in zebrafish via stabilin 2."</b></p> <p>Author(s):Stoll SJ,Bartsch S,Kroll J</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0058311">http://dx.doi.org/10.1371/journal.pone.0058311</a></p>
	A-11122 was used in immunohistochemistry to assess nucleolar size in the <i>Drosophila</i> eye imaginal disc.
Not Applicable / Not Cited	<p>PloS one (Mar 2013; 8: null)</p> <p><b>"Developmental regulation of nucleolus size during <i>Drosophila</i> eye differentiation."</b></p> <p>Author(s):Baker NE</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0058266">http://dx.doi.org/10.1371/journal.pone.0058266</a></p>
	A-11122 was used in immunohistochemistry to identify JNK-interacting protein 3 as a mediator of dynein-based retrograde transport of activated c-Jun N-terminal Kinase and lysosomes
Not Applicable / 1:1000	<p>PLoS genetics (Mar 2013; 9: null)</p> <p><b>"JNK-interacting protein 3 mediates the retrograde transport of activated c-Jun N-terminal kinase and lysosomes."</b></p> <p>Author(s):Drerup CM,Nechiporuk AV</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.1003303">http://dx.doi.org/10.1371/journal.pgen.1003303</a></p>
	A-11122 was used in immunohistochemistry to study neurons of the interfascicular trigeminal nucleus.
Not Applicable / Not Cited	<p>The Journal of comparative neurology (Feb 2013; 521: 697)</p> <p><b>"The interfascicular trigeminal nucleus: a precerebellar nucleus in the mouse defined by retrograde neuronal tracing and genetic fate mapping."</b></p> <p>Author(s):Fu Y,Tvrdek P,Makki N,Machold R,Paxinos G,Watson C</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/cne.23200">http://dx.doi.org/10.1002/cne.23200</a></p>
	A-11122 was used in immunohistochemistry to elucidate the role of AP- in activity-dependent dendritic structure development.
Not Applicable / Not Cited	<p>Development (Cambridge, England) (Feb 2013; 140: 606)</p> <p><b>"Temporal coherency between receptor expression, neural activity and AP-1-dependent transcription regulates <i>Drosophila</i> motoneuron dendrite development."</b></p> <p>Author(s):Vonhoff F,Kuehn C,Blumenstock S,Sanyal S,Duch C</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.089235">http://dx.doi.org/10.1242/dev.089235</a></p>
	A-11122 was used in immunohistochemistry to report that MRGPRB4(+) neurons are activated by massage-like stroking of hairy skin
Not Applicable / Not Cited	<p>Nature (Jan 2013; 493: 669)</p> <p><b>"Genetic identification of C fibres that detect massage-like stroking of hairy skin in vivo."</b></p> <p>Author(s):Vrontou S,Wong AM,Rau KK,Koerber HR,Anderson DJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nature11810">http://dx.doi.org/10.1038/nature11810</a></p>
	A-11122 was used in immunohistochemistry to study the role of Notum homolog in primary motor innervation.
Zebrafish / Not Cited	<p>The Journal of neuroscience : the official journal of the Society for Neuroscience (Jan 2013; 33: 2177)</p> <p><b>"Notum homolog plays a novel role in primary motor innervation."</b></p> <p>Author(s):Cantu JA,Flowers GP,Topczewski J</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1523/JNEUROSCI.3694-12.2013">http://dx.doi.org/10.1523/JNEUROSCI.3694-12.2013</a></p>

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	A-11122 was used in immunohistochemistry to show that Src kinases inhibit midline axon crossing.
Not Applicable / 1:500	<p>The Journal of neuroscience : the official journal of the Society for Neuroscience (Jan 2013; 33: 305)  <b>"Src inhibits midline axon crossing independent of Frazzled/Deleted in Colorectal Carcinoma (DCC) receptor tyrosine phosphorylation."</b>            Author(s):O'Donnell MP,Bashaw GJ            PubMed Article URL:<a href="http://dx.doi.org/10.1523/JNEUROSCI.2756-12.2013">http://dx.doi.org/10.1523/JNEUROSCI.2756-12.2013</a></p>
Sheep / 1:1000	<p>A-11122 was used in immunohistochemistry to investigate the olfactory and hippocampal neurogenesis in adult sheep.</p> <p>The Journal of comparative neurology (Jan 2013; 521: 169)  <b>"Dynamics of olfactory and hippocampal neurogenesis in adult sheep."</b>            Author(s):Brus M,Meurisse M,Gheusi G,Keller M,Lledo PM,Lévy F            PubMed Article URL:<a href="http://dx.doi.org/10.1002/cne.23169">http://dx.doi.org/10.1002/cne.23169</a></p>
Not Applicable / 1:5000	<p>A-11122 was used in immunohistochemistry to characterize the effects of channelrhodopsin-2 transfection in subcortical areas and the ventrolateral thalamus of rhesus monkeys</p> <p>PloS one (Dec 2012; 7: null)  <b>"In vivo optogenetic control of striatal and thalamic neurons in non-human primates."</b>            Author(s):Galvan A,Hu X,Smith Y,Wichmann T            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0050808">http://dx.doi.org/10.1371/journal.pone.0050808</a></p>
Not Applicable / 1:100	<p>A-11122 was used in immunohistochemistry to assess the fate and distribution of neural crest cells in adult mouse periodontal ligament.</p> <p>Archives of oral biology (Dec 2012; 57: 1668)  <b>"Identification and characterization of neural crest-derived cells in adult periodontal ligament of mice."</b>            Author(s):Kaku M,Komatsu Y,Mochida Y,Yamauchi M,Mishina Y,Ko CC            PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.archoralbio.2012.04.022">http://dx.doi.org/10.1016/j.archoralbio.2012.04.022</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in immunohistochemistry to examine the relationships among hairy, daughterless, and other HLH genes.</p> <p>PloS one (Nov 2012; 7: null)  <b>"The role of the bHLH protein hairy in morphogenetic furrow progression in the developing Drosophila eye."</b>            Author(s):Bhattacharya A,Baker NE            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0047503">http://dx.doi.org/10.1371/journal.pone.0047503</a></p>
Not Applicable / 1:500	<p>A-11122 was used in immunohistochemistry to show that cardiomyocyte migration to the injury site is essential for heart regeneration.</p> <p>Development (Cambridge, England) (Nov 2012; 139: 4133)  <b>"Migration of cardiomyocytes is essential for heart regeneration in zebrafish."</b>            Author(s):Itou J,Oishi I,Kawakami H,Glass TJ,Richter J,Johnson A,Lund TC,Kawakami Y            PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.079756">http://dx.doi.org/10.1242/dev.079756</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in immunohistochemistry to examine the effect of sonic hedgehog signaling activation on the proliferation dynamics and the spatial organization of chicken neuroepithelial cell proliferation activity</p> <p>BMC neuroscience (Oct 2012; 13: null)  <b>"Sonic hedgehog (Shh)/Gli modulates the spatial organization of neuroepithelial cell proliferation in the developing chick optic tectum."</b>            Author(s):Rapacioli M,Botelho J,Cerda G,Duarte S,Elliot M,Palma V,Flores V            PubMed Article URL:<a href="http://dx.doi.org/10.1186/1471-2202-13-117">http://dx.doi.org/10.1186/1471-2202-13-117</a></p>
Not Applicable / 1:200	<p>A-11122 was used in immunohistochemistry to investigate changes to hair follicle stem cells during skin aging.</p> <p>Genes and development (Oct 2012; 26: 2144)  <b>"Age-associated inflammation inhibits epidermal stem cell function."</b>            Author(s):Doles J,Storer M,Cozzuto L,Roma G,Keyes WM            PubMed Article URL:<a href="http://dx.doi.org/10.1101/gad.192294.112">http://dx.doi.org/10.1101/gad.192294.112</a></p>
Not Applicable / 1:200	<p>A-11122 was used in immunohistochemistry to elucidate PAT-4 and UNC-2 binding.</p> <p>The Journal of biological chemistry (Aug 2012; 287: 28537)  <b>"A molecular mechanism for the requirement of PAT-4 (integrin-linked kinase (ILK)) for the localization of UNC-112 (Kindlin) to integrin adhesion sites."</b>            Author(s):Qadota H,Moerman DG,Benian GM            PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M112.354852">http://dx.doi.org/10.1074/jbc.M112.354852</a></p>

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	A-11122 was used in immunohistochemistry to test if aging affects the regenerative potential of zebrafish
Not Applicable / 1:2000	Biology open (Aug 2012; 1: 739) <b>"Life-long preservation of the regenerative capacity in the fin and heart in zebrafish."</b> Author(s):Itou J,Kawakami H,Burgoyne T,Kawakami Y PubMed Article URL: <a href="http://dx.doi.org/10.1242/bio.20121057">http://dx.doi.org/10.1242/bio.20121057</a>
	A-11122 was used in immunohistochemistry to study the fate of mesothelial progenitor cells.
Not Applicable / 1:200	Development (Cambridge, England) (Aug 2012; 139: 2926) <b>"Identification of a novel developmental mechanism in the generation of mesothelia."</b> Author(s):Winters NI,Thomason RT,Bader DM PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.082396">http://dx.doi.org/10.1242/dev.082396</a>
	A-11122 was used in immunohistochemistry and western blot to describe a method to profile almost any tissue/cell-type with a single genetic cross.
Not Applicable / Not Cited	PLoS one (Jul 2012; 7: null) <b>"A versatile method for cell-specific profiling of translated mRNAs in Drosophila."</b> Author(s):Thomas A, Lee PJ, Dalton JE, Nomie KJ, Stoica L, Costa-Mattioli M, Chang P, Nuzhdin S, Arbeitman MN, Dierick HA PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0040276">http://dx.doi.org/10.1371/journal.pone.0040276</a>
	A-11122 was used in immunohistochemistry to propose Pisum as a useful model to study centromere architecture.
Not Applicable / Not Cited	PLoS genetics (Jun 2012; 8: null) <b>"Stretching the rules: monocentric chromosomes with multiple centromere domains."</b> Author(s):Neumann P, Navrátilová A, Schroeder-Reiter E, Koblížková A, Steinbauerová V, Chocholová E, Novák P, Wanner G, Macas J PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1002777">http://dx.doi.org/10.1371/journal.pgen.1002777</a>
	A-11122 was used in immunohistochemistry to perform single-cell analysis of axon guidance mechanisms
Not Applicable / 1:500	Neural development (Jun 2012; 7: null) <b>"Midline crossing is not required for subsequent pathfinding decisions in commissural neurons."</b> Author(s):Bonner J, Letko M, Nikolaus OB, Krug L, Cooper A, Chadwick B, Conklin P, Lim A, Chien CB, Dorsky RI PubMed Article URL: <a href="http://dx.doi.org/10.1186/1749-8104-7-18">http://dx.doi.org/10.1186/1749-8104-7-18</a>
	A-11122 was used in immunohistochemistry to report a role for Tcf2 (epicardin/Pod/capsulin) in cardiac fibroblast lineage specification.
Not Applicable / 1:250	Development (Cambridge, England) (Jun 2012; 139: 2139) <b>"The bHLH transcription factor Tcf21 is required for lineage-specific EMT of cardiac fibroblast progenitors."</b> Author(s):Acharya A, Baek ST, Huang G, Eskiocak B, Goetsch S, Sung CY, Banfi S, Sauer MF, Olsen GS, Duffield JS, Olson EN, Tallquist MD PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.079970">http://dx.doi.org/10.1242/dev.079970</a>
	A-11122 was used in immunohistochemistry to identify stimuli for nociceptive dorsal root ganglia neurons.
Not Applicable / 1:600	PLoS one (May 2012; 7: null) <b>"CGRP<math>\alpha</math>-expressing sensory neurons respond to stimuli that evoke sensations of pain and itch."</b> Author(s):McCoy ES, Taylor-Blake B, Zylka MJ PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0036355">http://dx.doi.org/10.1371/journal.pone.0036355</a>
	A-11122 was used in immunohistochemistry to report that loss of Egh causes overgrowth of peripheral nerves and attraction of immune cells to the nerves.
Not Applicable / 1:200	Proceedings of the National Academy of Sciences of the United States of America (May 2012; 109: 6987) <b>"Neurofibromatosis-like phenotype in Drosophila caused by lack of glucosylceramide extension."</b> Author(s):Dahlgard K, Jung A, Qvortrup K, Clausen H, Kjaerulf O, Wandall HH PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1115453109">http://dx.doi.org/10.1073/pnas.1115453109</a>
	A-11122 was used in immunohistochemistry and western blot to examine endogenous siRNA formation and activity in Caenorhabditis elegans
Not Applicable / Not Cited	PLoS genetics (Apr 2012; 8: null) <b>"PIWI associated siRNAs and piRNAs specifically require the Caenorhabditis elegans HEN1 ortholog henn-1."</b> Author(s):Montgomery TA, Rim YS, Zhang C, Dowen RH, Phillips CM, Fischer SE, Ruvkun G PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1002616">http://dx.doi.org/10.1371/journal.pgen.1002616</a>

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	A-11122 was used in immunohistochemistry to investigate gamma-frequency oscillations.
Not Applicable / 1:3000	Neuron (Apr 2012; 74: 57) <b>"Hub GABA neurons mediate gamma-frequency oscillations at ictal-like event onset in the immature hippocampus."</b> Author(s):Quilichini PP,Le Van Quyen M,Ivanov A,Turner DA,Caraballona A,Gozlan H,Esclapez M,Bernard C PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.neuron.2012.01.026">http://dx.doi.org/10.1016/j.neuron.2012.01.026</a>
	A-11122 was used in immunohistochemistry to examine how mitochondrial DNA is eliminated during spermatogenesis.
Not Applicable / 1:500	Developmental cell (Mar 2012; 22: 660) <b>"Barriers to male transmission of mitochondrial DNA in sperm development."</b> Author(s):DeLuca SZ,O'Farrell PH PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.devcel.2011.12.021">http://dx.doi.org/10.1016/j.devcel.2011.12.021</a>
	A-11122 was used in immunohistochemistry to analyze cutaneous innervation in the head, trunk, and tail of zebrafish embryos and larvae.
Not Applicable / 1:100	The Journal of comparative neurology (Mar 2012; 520: 816) <b>"Coordinate development of skin cells and cutaneous sensory axons in zebrafish."</b> Author(s):O'Brien GS,Rieger S,Wang F,Smolen GA,Gonzalez RE,Buchanan J,Sagasti A PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22791">http://dx.doi.org/10.1002/cne.22791</a>
	A-11122 was used in immunohistochemistry to try to develop transgenic macaques.
Not Applicable / 1:1000	Scientific reports (Feb 2012; 2: null) <b>"Systemic scAAV9 variant mediates brain transduction in newborn rhesus macaques."</b> Author(s):Dehay B,Dalkara D,Dovero S,Li Q,Bezard E PubMed Article URL: <a href="http://dx.doi.org/10.1038/srep00253">http://dx.doi.org/10.1038/srep00253</a>
	A-11122 was used in immunohistochemistry to report that miR-279 modulates the JAK/STAT pathway to drive rest:activity rhythms in Drosophila.
Not Applicable / 1:1000	Cell (Feb 2012; 148: 765) <b>"Regulation of circadian behavioral output via a MicroRNA-JAK/STAT circuit."</b> Author(s):Luo W,Sehgal A PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.cell.2011.12.024">http://dx.doi.org/10.1016/j.cell.2011.12.024</a>
	A-11122 was used in immunohistochemistry to show that olig2 function contributes to the migration of facial motor neurons.
Not Applicable / 1:500	Developmental dynamics : an official publication of the American Association of Anatomists (Feb 2012; 241: 315) <b>"olig2-Expressing hindbrain cells are required for migrating facial motor neurons."</b> Author(s):Zannino DA,Sagerström CG,Appel B PubMed Article URL: <a href="http://dx.doi.org/10.1002/dvdy.23718">http://dx.doi.org/10.1002/dvdy.23718</a>
	A-11122 was used in immunohistochemistry to clone and characterize the 5'-flanking promoter region of the mouse Tcf3 gene .
Not Applicable / 1:500	Molecular and cellular biochemistry (Jan 2012; 360: 289) <b>"Characterization and functional analysis of the 5'-flanking promoter region of the mouse Tcf3 gene."</b> Author(s):Solberg N,Machon O,Krauss S PubMed Article URL: <a href="http://dx.doi.org/10.1007/s11010-011-1068-y">http://dx.doi.org/10.1007/s11010-011-1068-y</a>
	A-11122 was used in immunohistochemistry to test if olfactory sensory projections are established in an exuberant fashion.
Not Applicable / 1:2000	The Journal of comparative neurology (Dec 2011; 519: 3713) <b>"Exuberant growth and synapse formation of olfactory sensory neuron axonal arborizations."</b> Author(s):Marcucci F,Maier-Balough E,Zou DJ,Firestein S PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22684">http://dx.doi.org/10.1002/cne.22684</a>
	A-11122 was used in immunohistochemistry to develop mammalian GFP reconstitution across synaptic partners (GRASP).
Not Applicable / Not Cited	Nature methods (Dec 2011; 9: 96) <b>"mGRASP enables mapping mammalian synaptic connectivity with light microscopy."</b> Author(s):Kim J,Zhao T,Petralia RS,Yu Y,Peng H,Myers E,Magee JC PubMed Article URL: <a href="http://dx.doi.org/10.1038/nmeth.1784">http://dx.doi.org/10.1038/nmeth.1784</a>

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	A-11122 was used in immunohistochemistry to evaluate a strategy of transneuronal tracing with rabies virus in the neonatal mouse spinal cord.
Mouse / 1:1000	The Journal of comparative neurology (Dec 2011; 519: 3470) <b>"Characterization of last-order premotor interneurons by transneuronal tracing with rabies virus in the neonatal mouse spinal cord."</b> Author(s):Coulon P,Bras H,Vinay L PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22717">http://dx.doi.org/10.1002/cne.22717</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to generate and assess a hypoxia-regulated, retinal glial cell-specific vector. Investigative ophthalmology and visual science (Nov 2011; 52: 8562) <b>"Hypoxia-regulated retinal glial cell-specific promoter for potential gene therapy in disease."</b> Author(s):Prentice HM,Biswal MR,Dorey CK,Blanks JC PubMed Article URL: <a href="http://dx.doi.org/10.1167/iovs.10-6835">http://dx.doi.org/10.1167/iovs.10-6835</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to examine the role of Dicer and other small RNAs in spermatogenesis. PloS one (Sep 2011; 6: null) <b>"Dicer is required for haploid male germ cell differentiation in mice."</b> Author(s):Korhonen HM,Meikar O,Yadav RP,Papaioannou MD,Romero Y,Da Ros M,Herrera PL,Toppiari J,Nef S,Kotaja N PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0024821">http://dx.doi.org/10.1371/journal.pone.0024821</a>
Not Applicable / 1:5000	A-11122 was used in immunohistochemistry to test if central or peripheral myeloid lineage cells contribute to synaptic damage during acute neuroinflammation during HIV infection. PloS one (Sep 2011; 6: null) <b>"HIV-1 Tat-induced microgliosis and synaptic damage via interactions between peripheral and central myeloid cells."</b> Author(s):Lu SM,Tremblay ME,King IL,Qi J,Reynolds HM,Marker DF,Varrone JJ,Majewska AK,Dewhurst S,Gelbard HA PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0023915">http://dx.doi.org/10.1371/journal.pone.0023915</a>
Not Applicable / 1:1000	A-11122 was used in immunohistochemistry to generate and characterize cell type-specific ChR2(H134R) mouse lines Nature methods (Sep 2011; 8: 745) <b>"Cell type-specific channelrhodopsin-2 transgenic mice for optogenetic dissection of neural circuitry function."</b> Author(s):Zhao S,Ting JT,Atallah HE,Qiu L,Tan J,Gloss B,Augustine GJ,Deisseroth K,Luo M,Graybiel AM,Feng G PubMed Article URL: <a href="http://dx.doi.org/">http://dx.doi.org/</a>
Mouse / 1:1000	A-11122 was used in immunohistochemistry to study the expression and role of Dlx6 in the striatum and central nucleus of the amygdala. The Journal of comparative neurology (Aug 2011; 519: 2320) <b>"Dlx6 regulates molecular properties of the striatum and central nucleus of the amygdala."</b> Author(s):Wang B,Lufkin T,Rubenstein JL PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22618">http://dx.doi.org/10.1002/cne.22618</a>
Not Applicable / 1:500	A-11122 was used in immunohistochemistry to elucidate the contribution of PIK3CA H1047R to breast cancer pathogenesis. Cancer research (Jul 2011; 71: 4344) <b>"Luminal expression of PIK3CA mutant H1047R in the mammary gland induces heterogeneous tumors."</b> Author(s):Meyer DS,Brinkhaus H,Müller U,Müller M,Cardiff RD,Bentires-Alj M PubMed Article URL: <a href="http://dx.doi.org/10.1158/0008-5472.CAN-10-3827">http://dx.doi.org/10.1158/0008-5472.CAN-10-3827</a>
Not Applicable / 1:500	A-11122 was used in immunohistochemistry to describe a method to assess the stereotypy, potential connectivity, and functional mapping of the adult fruit fly brain. Nature methods (Jun 2011; 8: 493) <b>"BrainAligner: 3D registration atlases of Drosophila brains."</b> Author(s):Peng H,Chung P,Long F,Qu L,Jenett A,Seeds AM,Myers EW,Simpson JH PubMed Article URL: <a href="http://dx.doi.org/10.1038/nmeth.1602">http://dx.doi.org/10.1038/nmeth.1602</a>
Not Applicable / 1:200	A-11122 was used in immunohistochemistry to study the morphogenesis and differentiation of pigment cells in various post-embryonic stages PLoS genetics (May 2011; 7: null) <b>"Post-embryonic nerve-associated precursors to adult pigment cells: genetic requirements and dynamics of morphogenesis and differentiation."</b> Author(s):Budi EH,Patterson LB,Parichy DM PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1002044">http://dx.doi.org/10.1371/journal.pgen.1002044</a>

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	A-11122 was used in immunohistochemistry to study the regulatory mechanism of commissural plate during development.
Mouse / 1:1000	The Journal of comparative neurology (Sep 2010; 518: 3645) <b>"Molecular regulation of the developing commissural plate."</b> Author(s):Moldrich RX,Gobius I,Pollak T,Zhang J,Ren T,Brown L,Mori S,De Juan Romero C,Britanova O,Tarabykin V,Richards LJ PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22445">http://dx.doi.org/10.1002/cne.22445</a>
	A-11122 was used in immunohistochemistry to identify factors that regulate immune cell transmigration using fruit flies
Not Applicable / 1:1000	Nature cell biology (Jun 2010; 12: 605) <b>"RhoL controls invasion and Rap1 localization during immune cell transmigration in Drosophila."</b> Author(s):Siekhaus D,Haesemeyer M,Moffitt O,Lehmann R PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2063">http://dx.doi.org/10.1038/ncb2063</a>
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Not Applicable / Not Cited	The Journal of comparative neurology (May 2010; 518: 1711) <b>"Bilateral whisker trimming during early postnatal life impairs dendritic spine development in the mouse somatosensory barrel cortex."</b> Author(s):Briner A,De Roo M,Dayer A,Muller D,Kiss JZ,Vutskits L PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22297">http://dx.doi.org/10.1002/cne.22297</a>
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Not Applicable / Not Cited	The Journal of comparative neurology (May 2010; 518: 1525) <b>"Building the central complex in Drosophila: the generation and development of distinct neural subsets."</b> Author(s):Young JM,Armstrong JD PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.22285">http://dx.doi.org/10.1002/cne.22285</a>
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Not Applicable / 1:300	Stem cells and development (Apr 2010; 19: 503) <b>"Clonal differentiation of skeletal muscle-derived CD34(-)/45(-) stem cells into cardiomyocytes in vivo."</b> Author(s):Tamaki T,Uchiyama Y,Okada Y,Tono K,Masuda M,Nitta M,Hoshi A,Akatsuka A PubMed Article URL: <a href="http://dx.doi.org/10.1089/scd.2009.0179">http://dx.doi.org/10.1089/scd.2009.0179</a>
	A-11122 was used in immunohistochemistry to review the role of Dpp in eye development
Not Applicable / Not Cited	BMC developmental biology (Mar 2010; 10: null) <b>"Cell cycle arrest by a gradient of Dpp signaling during Drosophila eye development."</b> Author(s):Firth LC,Bhattacharya A,Baker NE PubMed Article URL: <a href="http://dx.doi.org/10.1186/1471-213X-10-28">http://dx.doi.org/10.1186/1471-213X-10-28</a>
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Not Applicable / 1:100	Developmental biology (Mar 2010; 339: 65) <b>"Signal strength and signal duration define two distinct aspects of JNK-regulated axon stability."</b> Author(s):Rallis A,Moore C,Ng J PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2009.12.016">http://dx.doi.org/10.1016/j.ydbio.2009.12.016</a>

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	A-11122 was used in immunohistochemistry to explore the role of type I interferon in Chikungunya virus pathogenesis
Not Applicable / 1:1000	<p>The Journal of experimental medicine (Feb 2010; 207: 429)</p> <p><b>"Type I IFN controls chikungunya virus via its action on nonhematopoietic cells."</b></p> <p>Author(s):Schilte C,Couderc T,Chretien F,Sourisseau M,Gangneux N,Guivel-Benhassine F,Kraxner A,Tschopp J,Higgs S,Michault A,Arenzana-Seisdedos F,Colonna M,Peduto L,Schwartz O,Lecuit M,Albert ML</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1084/jem.20090851">http://dx.doi.org/10.1084/jem.20090851</a></p>
	A-11122 was used in immunohistochemistry to determine the peptide-rich and peptide-poor sensory nerve fibers that innervate the glabrous skin of the hindpaw, bone marrow, mineralized bone, and periosteum of the femur
Not Applicable / Not Cited	<p>Bone (Feb 2010; 46: 306)</p> <p><b>"A phenotypically restricted set of primary afferent nerve fibers innervate the bone versus skin: therapeutic opportunity for treating skeletal pain."</b></p> <p>Author(s):Jimenez-Andrade JM,Mantyh WG,Bloom AP,Xu H,Ferng AS,Dussor G,Vanderah TW,Mantyh PW</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.bone.2009.09.013">http://dx.doi.org/10.1016/j.bone.2009.09.013</a></p>
	A-11122 was used in immunohistochemistry to study the cooperative function of CHL1 and PAK in pyramidal cell differentiation and migration
Not Applicable / Not Cited	<p>Neuroscience (Jan 2010; 165: 107)</p> <p><b>"CHL1 cooperates with PAK1-3 to regulate morphological differentiation of embryonic cortical neurons."</b></p> <p>Author(s):Demyanenko GP,Halberstadt AI,Rao RS,Maness PF</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.neuroscience.2009.09.077">http://dx.doi.org/10.1016/j.neuroscience.2009.09.077</a></p>
	A-11122 was used in immunohistochemistry to determine the potential of fibroin to generate a vascular prosthesis for small arteries
Not Applicable / Not Cited	<p>Journal of vascular surgery (Jan 2010; 51: 155)</p> <p><b>"Long-term patency of small-diameter vascular graft made from fibroin, a silk-based biodegradable material."</b></p> <p>Author(s):Enomoto S,Sumi M,Kajimoto K,Nakazawa Y,Takahashi R,Takabayashi C,Asakura T,Sata M</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.jvs.2009.09.005">http://dx.doi.org/10.1016/j.jvs.2009.09.005</a></p>
	A-11122 was used in immunohistochemistry to discuss the benefits and limitations of tissue heating to control gene expression
Not Applicable / 1:400	<p>BMC developmental biology (Dec 2009; 9: null)</p> <p><b>"A laser pointer driven microheater for precise local heating and conditional gene regulation in vivo. Microheater driven gene regulation in zebrafish."</b></p> <p>Author(s):Placinta M,Shen MC,Achermann M,Karlstrom RO</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1186/1471-213X-9-73">http://dx.doi.org/10.1186/1471-213X-9-73</a></p>
	A-11122 was used in immunohistochemistry to elucidate the regulation of Dbx genes in zebrafish
Not Applicable / 1:500	<p>Developmental dynamics : an official publication of the American Association of Anatomists (Nov 2009; 238: 2929)</p> <p><b>"Chromosomal position mediates spinal cord expression of a dbx1a enhancer."</b></p> <p>Author(s):Gribble SL,Nikolaus OB,Carver MS,Hoshijima K,Dorsky RI</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/dvdy.22122">http://dx.doi.org/10.1002/dvdy.22122</a></p>
	A-11122 was used in immunohistochemistry to examine the contribution of glutamatergic neurons to early motor behaviors of zebrafish
Not Applicable / Not Cited	<p>Developmental neurobiology (Oct 2009; 69: 780)</p> <p><b>"Glutamate drives the touch response through a rostral loop in the spinal cord of zebrafish embryos."</b></p> <p>Author(s):Pietri T,Manalo E,Ryan J,Saint-Amant L,Washbourne P</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/dneu.20741">http://dx.doi.org/10.1002/dneu.20741</a></p>
	A-11122 was used in immunohistochemistry to determine if functional retinas can be generated from pluripotent Xenopus laevis cells
Not Applicable / 1:750	<p>PLoS biology (Aug 2009; 7: null)</p> <p><b>"Generation of functional eyes from pluripotent cells."</b></p> <p>Author(s):Vicgian AS,Sollessio EC,Lyou Y,Zuber ME</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pbio.1000174">http://dx.doi.org/10.1371/journal.pbio.1000174</a></p>
	A-11122 was used in immunohistochemistry to discuss the potential functions of LAF-1 as a helicase and its roles in sex determination
Not Applicable / 1:200	<p>Developmental biology (Jun 2009; 330: 358)</p> <p><b>"The C. elegans sex determination gene laf-1 encodes a putative DEAD-box RNA helicase."</b></p> <p>Author(s):Hubert A,Anderson P</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.ydbio.2009.04.003">http://dx.doi.org/10.1016/j.ydbio.2009.04.003</a></p>

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	A-11122 was used in immunohistochemistry to study the expression and function of MIG-6 in <i>C. elegans</i>
Not Applicable / 1:200	Development (Cambridge, England) (May 2009; 136: 1433) <b>"C. elegans mig-6 encodes papilin isoforms that affect distinct aspects of DTC migration, and interacts genetically with mig-17 and collagen IV."</b> Author(s):Kawano T,Zheng H,Merz DC,Kohara Y,Tamai KK,Nishiwaki K,Culotti JG PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.028472">http://dx.doi.org/10.1242/dev.028472</a>
	A-11122 was used in immunohistochemistry to examine the consequences reduced NR1 expression on NMDA receptor levels and formalin-induced pain behaviors in adult rats
Not Applicable / 1:1000	The journal of pain : official journal of the American Pain Society (Apr 2009; 10: 380) <b>"siRNA-mediated knockdown of the NR1 subunit gene of the NMDA receptor attenuates formalin-induced pain behaviors in adult rats."</b> Author(s):Garraway SM,Xu Q,Inturrisi CE PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jpain.2008.09.013">http://dx.doi.org/10.1016/j.jpain.2008.09.013</a>
	A-11122 was used in immunohistochemistry to elucidate the exact roles of canonical Wnt signaling in neurogenesis
Not Applicable / 1:500	Zebrafish (Mar 2009; 6: 49) <b>"Identification of Wnt-responsive cells in the zebrafish hypothalamus."</b> Author(s):Wang X,Lee JE,Dorsky RI PubMed Article URL: <a href="http://dx.doi.org/10.1089/zeb.2008.0570">http://dx.doi.org/10.1089/zeb.2008.0570</a>
	A-11122 was used in immunohistochemistry to use the tunicate <i>Ciona intestinalis</i> to study nervous system regeneration
Not Applicable / 1:500	PLoS one (Feb 2009; 4: null) <b>"Refining the Ciona intestinalis model of central nervous system regeneration."</b> Author(s):Dahlberg C,Auger H,Dupont S,Sasakura Y,Thorndyke M,Joly JS PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0004458">http://dx.doi.org/10.1371/journal.pone.0004458</a>
	A-11122 was used in immunohistochemistry to develop a set of Entry/Gateway vectors for expressing fluorescent fusion proteins in <i>Drosophila melanogaster</i>
Not Applicable / 1:500	BMC cell biology (Jan 2009; 10: null) <b>"An Entry/Gateway cloning system for general expression of genes with molecular tags in Drosophila melanogaster."</b> Author(s):Akbari OS,Oliver D,Eyer K,Pai CY PubMed Article URL: <a href="http://dx.doi.org/10.1186/1471-2121-10-8">http://dx.doi.org/10.1186/1471-2121-10-8</a>
	A-11122 was used in immunohistochemistry to evaluate a viral vector-based strategy for targeting rodent nociceptive pontospinal noradrenergic neurons in vivo.
Rat / 1:4000	The Journal of comparative neurology (Jan 2009; 512: 141) <b>"Retrograde adenoviral vector targeting of nociceptive pontospinal noradrenergic neurons in the rat in vivo."</b> Author(s):Howorth PW,Teschemacher AG,Pickering AE PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.21879">http://dx.doi.org/10.1002/cne.21879</a>
	A-11122 was used in immunohistochemistry to examine the progeny of plp-expressing ventricular cells in the diencephalon.
Not Applicable / Not Cited	The Journal of comparative neurology (Jan 2009; 512: 74) <b>"Genetic tracing of subpopulation neurons in the prethalamus of mice (Mus musculus)."</b> Author(s):Delaunay D,Heydon K,Miguez A,Schwab M,Nave KA,Thomas JL,Spassky N,Martinez S,Zalc B PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.21904">http://dx.doi.org/10.1002/cne.21904</a>
	A-11122 was used in immunohistochemistry to investigate the role of Chip in posteclosion behavior
Not Applicable / 1:10,000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Sep 2008; 28: 9145) <b>"Chip is required for posteclosion behavior in Drosophila."</b> Author(s):Hari P,Deshpande M,Sharma N,Rajadhyaksha N,Ramkumar N,Kimura K,Rodrigues V,Tole S PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.1882-08.2008">http://dx.doi.org/10.1523/JNEUROSCI.1882-08.2008</a>
	A-11122 was used in immunohistochemistry to test the role of axon-axon interactions in retinotectal development
Not Applicable / 1:400	Development (Cambridge, England) (Sep 2008; 135: 2865) <b>"Pathfinding in a large vertebrate axon tract: isotypic interactions guide retinotectal axons at multiple choice points."</b> Author(s):Pittman AJ,Law MY,Chien CB PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.025049">http://dx.doi.org/10.1242/dev.025049</a>

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	A-11122 was used in immunohistochemistry to report that spondin maintains cell-matrix adhesion in multiple <i>C. elegans</i> tissues
Not Applicable / 1:500-1:1000	Development (Cambridge, England) (Aug 2008; 135: 2747) <b>"The <i>C. elegans</i> F-spondin family protein SPON-1 maintains cell adhesion in neural and non-neural tissues."</b> Author(s):Woo WM,Berry EC,Hudson ML,Swale RE,Goncharov A,Chisholm AD PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.015289">http://dx.doi.org/10.1242/dev.015289</a>
	A-11122 was used in immunohistochemistry to study the epithelial-mesenchymal transition during gastrulation
Not Applicable / 1:1000	Nature cell biology (Jul 2008; 10: 765) <b>"RhoA and microtubule dynamics control cell-basement membrane interaction in EMT during gastrulation."</b> Author(s):Nakaya Y,Sukowati EW,Wu Y,Sheng G PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb1739">http://dx.doi.org/10.1038/ncb1739</a>
	A-11122 was used in immunohistochemistry to study the rhythmic regulation of darkness-related gene expression in the retina
Not Applicable / Not Cited	Molecular vision (Jun 2008; 14: 1176) <b>"Rhythmic expression of an <i>egr-1</i> transgene in rats distinguishes two populations of photoreceptor cells in the retinal outer nuclear layer."</b> Author(s):Man PS,Evans T,Carter DA PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
	A-11122 was used in immunohistochemistry to investigate the expression and function of melanopsin-expressing retinal ganglion cells
Not Applicable / 1:500	PLoS one (Jun 2008; 3: null) <b>"Inducible ablation of melanopsin-expressing retinal ganglion cells reveals their central role in non-image forming visual responses."</b> Author(s):Hatori M,Le H,Vollmers C,Keding SR,Tanaka N,Buch T,Waisman A,Schmedt C,Jegla T,Panda S PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0002451">http://dx.doi.org/10.1371/journal.pone.0002451</a>
	A-11122 was used in immunohistochemistry to characterize the functional Gata2 locus
Not Applicable / 1:2000	The Journal of biological chemistry (Apr 2008; 283: 8976) <b>"Defining the functional boundaries of the Gata2 locus by rescue with a linked bacterial artificial chromosome transgene."</b> Author(s):Brandt W,Khandekar M,Suzuki N,Yamamoto M,Lim KC,Engel JD PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M709364200">http://dx.doi.org/10.1074/jbc.M709364200</a>
	A-11122 was used in immunohistochemistry to assess the anti-metastatic potential of genistein
Not Applicable / Not Cited	Cancer research (Mar 2008; 68: 2024) <b>"Dietary genistein inhibits metastasis of human prostate cancer in mice."</b> Author(s):Lakshman M,Xu L,Ananthanarayanan V,Cooper J,Takimoto CH,Helenowski I,Pelling JC,Bergan RC PubMed Article URL: <a href="http://dx.doi.org/10.1158/0008-5472.CAN-07-1246">http://dx.doi.org/10.1158/0008-5472.CAN-07-1246</a>
	A-11122 was used in immunohistochemistry to study the control of the G1-S cell cycle checkpoint due to distinct mitochondrial retrograde signals
Not Applicable / Not Cited	Nature genetics (Mar 2008; 40: 356) <b>"Distinct mitochondrial retrograde signals control the G1-S cell cycle checkpoint."</b> Author(s):Owusu-Ansah E,Yavari A,Mandal S,Banerjee U PubMed Article URL: <a href="http://dx.doi.org/10.1038/ng.2007.50">http://dx.doi.org/10.1038/ng.2007.50</a>
	A-11122 was used in immunohistochemistry to investigate muscles of the <i>Drosophila</i> female reproductive system
Not Applicable / 1:750	Developmental biology (Feb 2008; 314: 329) <b>"Mononuclear muscle cells in <i>Drosophila</i> ovaries revealed by GFP protein traps."</b> Author(s):Hudson AM,Petrella LN,Tanaka AJ,Cooley L PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2007.11.029">http://dx.doi.org/10.1016/j.ydbio.2007.11.029</a>
	A-11122 was used in immunohistochemistry to observe the cellular expression pattern of <i>Egr-1</i> in the adult rat pineal
Not Applicable / Not Cited	Journal of molecular histology (Feb 2008; 39: 69) <b>"Pineal gland expression of the transcription factor <i>Egr-1</i> is restricted to a population of glia that are distinct from nestin-immunoreactive cells."</b> Author(s):Man PS,Carter DA PubMed Article URL: <a href="http://dx.doi.org/10.1007/s10735-007-9127-0">http://dx.doi.org/10.1007/s10735-007-9127-0</a>

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	A-11122 was used in immunohistochemistry to visualize cold spots by studying TRPM8-expressing sensory neurons and their projections
Not Applicable / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (Jan 2008; 28: 566) <b>"Visualizing cold spots: TRPM8-expressing sensory neurons and their projections."</b> Author(s):Dhaka A,Earley TJ,Watson J,Patapoutian A PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3976-07.2008">http://dx.doi.org/10.1523/JNEUROSCI.3976-07.2008</a>
	A-11122 was used in immunohistochemistry to study the contribution of Nkx2.1 lineages to neurons in the mature telencephalon
Mouse / 1:2000	The Journal of comparative neurology (Jan 2008; 506: 16) <b>"Fate mapping Nkx2.1-lineage cells in the mouse telencephalon."</b> Author(s):Xu Q,Tam M,Anderson SA PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.21529">http://dx.doi.org/10.1002/cne.21529</a>
	A-11122 was used in immunohistochemistry to characterize Trf3-depleted zebrafish
Not Applicable / 1:200	Nature (Dec 2007; 450: 1082) <b>"Initiation of zebrafish haematopoiesis by the TATA-box-binding protein-related factor Trf3."</b> Author(s):Hart DO,Raha T,Lawson ND,Green MR PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature06349">http://dx.doi.org/10.1038/nature06349</a>
	A-11122 was used in immunohistochemistry to study hemangioblast-like progenitor cells
Not Applicable / Not Cited	PLoS one (Nov 2007; 2: null) <b>"On hemangioblasts in chicken."</b> Author(s):Weng W,Sukowati EW,Sheng G PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0001228">http://dx.doi.org/10.1371/journal.pone.0001228</a>
	A-11122 was used in immunohistochemistry to describe a nestin-CreER(T2)/R26R-yellow fluorescent protein mouse that inducibly labels nestin-expressing stem cells and their progeny in the adult subventricular zone and subgranular zone
Not Applicable / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (Nov 2007; 27: 12623) <b>"Dynamic contribution of nestin-expressing stem cells to adult neurogenesis."</b> Author(s):Lagace DC,Whitman MC,Noonan MA,Ables JL,DeCarolis NA,Arguello AA,Donovan MH,Fischer SJ,Farnbauch LA,Beech RD,DiLeone RJ,Greer CA,Mandyam CD,Eisch AJ PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3812-07.2007">http://dx.doi.org/10.1523/JNEUROSCI.3812-07.2007</a>
	A-11122 was used in immunohistochemistry to characterize progenitor cells in the developing mouse thalamus.
Mouse / 1:500	The Journal of comparative neurology (Nov 2007; 505: 73) <b>"Characterization of progenitor domains in the developing mouse thalamus."</b> Author(s):Vue TY,Aaker J,Taniguchi A,Kazemzadeh C,Skidmore JM,Martin DM,Martin JF,Treier M,Nakagawa Y PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.21467">http://dx.doi.org/10.1002/cne.21467</a>
	A-11122 was used in immunohistochemistry to study the switch of Dynein from a gurken mRNA transport motor to an ultrastructural static anchor in sponge bodies in Drosophila Squid/hnRNP
Not Applicable / 1:300	Developmental cell (Oct 2007; 13: 523) <b>"Drosophila Squid/hnRNP helps Dynein switch from a gurken mRNA transport motor to an ultrastructural static anchor in sponge bodies."</b> Author(s):Delanoue R,Herpers B,Soetaert J,Davis I,Rabouille C PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.devcel.2007.08.022">http://dx.doi.org/10.1016/j.devcel.2007.08.022</a>
	A-11122 was used in immunohistochemistry to ascertain the requirement for Fgf8b in mice
Not Applicable / 1:1000	Development (Cambridge, England) (Jun 2007; 134: 2251) <b>"Distinct functions of the major Fgf8 spliceform, Fgf8b, before and during mouse gastrulation."</b> Author(s):Guo Q,Li JY PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.004929">http://dx.doi.org/10.1242/dev.004929</a>
	A-11122 was used in immunohistochemistry to study the effect of prolonged glial expression of Sox4 in the CNS on the cerebral architecture and ataxia
Not Applicable / 1:500	The Journal of neuroscience : the official journal of the Society for Neuroscience (May 2007; 27: 5495) <b>"Prolonged glial expression of Sox4 in the CNS leads to architectural cerebellar defects and ataxia."</b> Author(s):Hoser M,Baader SL,Bösl MR,Ihmer A,Wegner M,Sock E PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.1384-07.2007">http://dx.doi.org/10.1523/JNEUROSCI.1384-07.2007</a>

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	A-11122 was used in immunohistochemistry to elucidate how TGF-beta(1) induces substantial cell migration
Not Applicable / Not Cited	<p>Circulation research (May 2007; 100: 1300)</p> <p><b>"Mechanisms of TGF-beta1-induced intimal growth: plasminogen-independent activities of plasminogen activator inhibitor-1 and heterogeneous origin of intimal cells."</b></p> <p>Author(s):Otsuka G,Stempien-Otero A,Frutkin AD,Dichek DA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1161/01.RES.0000266970.34017.8d">http://dx.doi.org/10.1161/01.RES.0000266970.34017.8d</a></p>
	A-11122 was used in immunohistochemistry to visualize the loss and reappearance of lateral line hair cells induced in zebrafish larvae treated with copper sulfate
Not Applicable / 1:500	<p>Developmental neurobiology (Apr 2007; 67: 637)</p> <p><b>"Regeneration in zebrafish lateral line neuromasts: expression of the neural progenitor cell marker sox2 and proliferation-dependent and-independent mechanisms of hair cell renewal."</b></p> <p>Author(s):Hernández PP,Olivari FA,Sarrazin AF,Sandoval PC,Allende ML</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/dneu.20386">http://dx.doi.org/10.1002/dneu.20386</a></p>
	A-11122 was used in immunohistochemistry to study the involvement of chemokine receptor in neurogenesis.
Mouse / 1:1000	<p>The Journal of comparative neurology (Feb 2007; 500: 1007)</p> <p><b>"Chemokine receptor expression by neural progenitor cells in neurogenic regions of mouse brain."</b></p> <p>Author(s):Tran PB,Banisadr G,Ren D,Chenn A,Miller RJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/cne.21229">http://dx.doi.org/10.1002/cne.21229</a></p>
	A-11122 was used in immunohistochemistry to study proteins that contribute to Drosophila oogenesis
Not Applicable / 1:750	<p>Development (Cambridge, England) (Feb 2007; 134: 703)</p> <p><b>"The Ovhts polypotein is cleaved to produce fusome and ring canal proteins required for Drosophila oogenesis."</b></p> <p>Author(s):Petrella LN,Smith-Leiker T,Cooley L</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.02766">http://dx.doi.org/10.1242/dev.02766</a></p>
	A-11122 was used in immunohistochemistry to investigate the mesopontine tegmental anesthesia area
Not Applicable / 1:10,000	<p>Journal of chemical neuroanatomy (Dec 2006; 32: 159)</p> <p><b>"Projections from the mesopontine tegmental anesthesia area to regions involved in pain modulation."</b></p> <p>Author(s):Sukhotinsky I,Reiner K,Govrin-Lippmann R,Belenky M,Lu J,Hopkins DA,Saper CB,Devor M</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.jchemneu.2006.08.003">http://dx.doi.org/10.1016/j.jchemneu.2006.08.003</a></p>
	A-11122 was used in immunohistochemistry to discuss temporal and spatial regulation of transgene expression in non-model organisms
Not Applicable / 1:200	<p>BMC developmental biology (Nov 2006; 6: null)</p> <p><b>"Temporal and spatial control of transgene expression using laser induction of the hsp70 promoter."</b></p> <p>Author(s):Ramos DM,Kamal F,Wimmer EA,Cartwright AN,Monteiro A</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1186/1471-213X-6-55">http://dx.doi.org/10.1186/1471-213X-6-55</a></p>
	A-11122 was used in immunohistochemistry to assess the developmental role of somatodendritic excitability
Not Applicable / Not Cited	<p>Nature neuroscience (Sep 2006; 9: 1125)</p> <p><b>"Postsynaptic excitability is necessary for strengthening of cortical sensory responses during experience-dependent development."</b></p> <p>Author(s):Komai S,Licznarski P,Cetin A,Waters J,Denk W,Brecht M,Osten P</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nn1752">http://dx.doi.org/10.1038/nn1752</a></p>
	A-11122 was used in immunohistochemistry to study the pathological consequences of combined ischemia-hypoxia
Not Applicable / Not Cited	<p>The American journal of pathology (Aug 2006; 169: 566)</p> <p><b>"Cerebral ischemia-hypoxia induces intravascular coagulation and autophagy."</b></p> <p>Author(s):Adhami F,Liao G,Morozov YM,Schloemer A,Schmithorst VJ,Lorenz JN,Dunn RS,Vorhees CV,Wills-Karp M,Degen JL,Davis RJ,Mizushima N,Rakic P,Dardzinski BJ,Holland SK,Sharp FR,Kuan CY</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.2353/ajpath.2006.051066">http://dx.doi.org/10.2353/ajpath.2006.051066</a></p>
	A-11122 was used in immunohistochemistry to perturb glycinergic transmission from the onset of zebrafish development and examine its impact on the formation of the locomotor circuitry
Not Applicable / 1:100	<p>Proceedings of the National Academy of Sciences of the United States of America (Jun 2006; 103: 9679)</p> <p><b>"Glycine receptors regulate interneuron differentiation during spinal network development."</b></p> <p>Author(s):McDermid JR,Liao M,Drapeau P</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0504871103">http://dx.doi.org/10.1073/pnas.0504871103</a></p>

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	A-11122 was used in immunohistochemistry to report a cell-autonomous requirement for Msi family proteins in regulating stem cell differentiation in the Drosophila testis
Not Applicable / 1:500	<p>Proceedings of the National Academy of Sciences of the United States of America (May 2006; 103: 8402)</p> <p><b>"The RNA-binding protein Musashi is required intrinsically to maintain stem cell identity."</b></p> <p>Author(s):Siddall NA,McLaughlin EA,Marriner NL,Hime GR</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0600906103">http://dx.doi.org/10.1073/pnas.0600906103</a></p>
	A-11122 was used in immunohistochemistry to discuss how vascular endothelial growth factor a signaling contributes to the formation of arteries and veins
Not Applicable / Not Cited	<p>Proceedings of the National Academy of Sciences of the United States of America (Apr 2006; 103: 6554)</p> <p><b>"Distinct genetic interactions between multiple Vegf receptors are required for development of different blood vessel types in zebrafish."</b></p> <p>Author(s):Covassin LD,Villefranc JA,Kacergis MC,Weinstein BM,Lawson ND</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0506886103">http://dx.doi.org/10.1073/pnas.0506886103</a></p>
	A-11122 was used in immunohistochemistry to analyze reprogramming to assume a neural crest cell-like phenotype in an embryonic microenvironment in metastatic melanoma cells
Not Applicable / Not Cited	<p>Proceedings of the National Academy of Sciences of the United States of America (Mar 2006; 103: 3752)</p> <p><b>"Reprogramming metastatic melanoma cells to assume a neural crest cell-like phenotype in an embryonic microenvironment."</b></p> <p>Author(s):Kulesa PM,Kasemeier-Kulesa JC,Teddy JM,Margaryan NV,Seftor EA,Seftor RE,Hendrix MJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0506977103">http://dx.doi.org/10.1073/pnas.0506977103</a></p>
	A-11122 was used in immunohistochemistry to test if ventricular zone progenitors behave as stem cells in vivo
Not Applicable / Not Cited	<p>Proceedings of the National Academy of Sciences of the United States of America (Jan 2006; 103: 1551)</p> <p><b>"Olig2+ neuroepithelial motoneuron progenitors are not multipotent stem cells in vivo."</b></p> <p>Author(s):Mukouyama YS,Deneen B,Lukaszewicz A,Novitsch BG,Wichterle H,Jessell TM,Anderson DJ</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0510658103">http://dx.doi.org/10.1073/pnas.0510658103</a></p>
	A-11122 was used in immunohistochemistry to learn about adult Drosophila midgut epithelium and evidence of residing stem cells
Not Applicable / 1:2000	<p>Nature (Jan 2006; 439: 475)</p> <p><b>"Evidence that stem cells reside in the adult Drosophila midgut epithelium."</b></p> <p>Author(s):Micchelli CA,Perrimon N</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nature04371">http://dx.doi.org/10.1038/nature04371</a></p>
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Not Applicable / Not Cited	<p>Neuron (Dec 2005; 48: 727)</p> <p><b>"Rapid and reversible chemical inactivation of synaptic transmission in genetically targeted neurons."</b></p> <p>Author(s):Karpova AY,Tervo DG,Gray NW,Svoboda K</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.neuron.2005.11.015">http://dx.doi.org/10.1016/j.neuron.2005.11.015</a></p>
	A-11122 was used in immunohistochemistry to report that Zfp312 is critical for layer- and neuronal subtype-specific patterning of cortical axonal projections and dendritic morphologies
Not Applicable / 1:3000	<p>Proceedings of the National Academy of Sciences of the United States of America (Dec 2005; 102: 17792)</p> <p><b>"Zfp312 is required for subcortical axonal projections and dendritic morphology of deep-layer pyramidal neurons of the cerebral cortex."</b></p> <p>Author(s):Chen JG,Rasin MR,Kwan KY,Sestan N</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0509032102">http://dx.doi.org/10.1073/pnas.0509032102</a></p>
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Not Applicable / Not Cited	<p>Cell (Oct 2005; 123: 133)</p> <p><b>"GPCR signaling is required for blood-brain barrier formation in drosophila."</b></p> <p>Author(s):Schwabe T,Bainton RJ,Fetter RD,Heberlein U,Gaul U</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.cell.2005.08.037">http://dx.doi.org/10.1016/j.cell.2005.08.037</a></p>

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	A-11122 was used in immunohistochemistry to study the regulation by the microRNA pathway due to stem cell division
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	A-11122 was used in immunohistochemistry to determine the roles of Crumbs3, Lgl2, and apical aPKC in the polarization of frog blastomeres
Not Applicable / Not Cited	Development (Cambridge, England) (Mar 2005; 132: 977) <b>"aPKC, Crumbs3 and Lgl2 control apicobasal polarity in early vertebrate development."</b> Author(s): Chalmers AD, Pambos M, Mason J, Lang S, Wylie C, Papalopulu N PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.01645">http://dx.doi.org/10.1242/dev.01645</a>
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	A-11122 was used in immunohistochemistry to report that ORD activity suppresses sister chromatid exchange and stimulates inter-homologue crossovers
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Not Applicable / 1:200-1:5000	Cell (Mar 2002; 108: 675) <b>"Regulation of Frizzled by fat-like cadherins during planar polarity signaling in the Drosophila compound eye."</b> Author(s):Yang CH,Axelrod JD,Simon MA PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
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	A-11122 was used in immunohistochemistry to analyze the requirement of R8 photoreceptor differentiation in the developing Drosophila eye by senseless repression of rough
Not Applicable / 1:1000	Neuron (Nov 2001; 32: 403) <b>"senseless repression of rough is required for R8 photoreceptor differentiation in the developing Drosophila eye."</b> Author(s):Frankfort BJ,Nolo R,Zhang Z,Bellen H,Mardon G PubMed Article URL: <a href="http://dx.doi.org/null">http://dx.doi.org/null</a>
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Species / Dilution	Summary
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Not Applicable / 1:250	Developmental biology (Jul 2016; 415: 306) <b>"Constitutively active mutation of ACVR1 in oral epithelium causes submucous cleft palate in mice."</b> Author(s):Noda K,Mishina Y,Komatsu Y PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2015.06.014">http://dx.doi.org/10.1016/j.ydbio.2015.06.014</a>

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Not Applicable / Not Cited	<p>A-11122 was used in immunohistochemistry - paraffin section to generate and characterize podocytes derived from iPS cells</p> <p>Journal of the American Society of Nephrology : JASN (Jun 2016; 27: 1778)  <b>"Human Induced Pluripotent Stem Cell-Derived Podocytes Mature into Vascularized Glomeruli upon Experimental Transplantation."</b>            Author(s):Sharmin S,Taguchi A,Kaku Y,Yoshimura Y,Ohmori T,Sakuma T,Mukoyama M,Yamamoto T,Kurihara H,Nishinakamura R            PubMed Article URL:<a href="http://dx.doi.org/10.1681/ASN.2015010096">http://dx.doi.org/10.1681/ASN.2015010096</a></p>
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Not Applicable / 1:1000	<p>A-11122 was used in immunohistochemistry to characterize cigarette smoke-exposed zebrafish gills as a model to study the effect of an inflammatory stimuli on a respiratory epithelium</p> <p>American journal of physiology. Lung cellular and molecular physiology (Mar 2016; 310: L551)  <b>"Mucosal inflammation at the respiratory interface: a zebrafish model."</b>            Author(s):Progatzy F,Cook HT,Lamb JR,Bugeon L,Dallman MJ            PubMed Article URL:<a href="http://dx.doi.org/10.1152/ajplung.00323.2015">http://dx.doi.org/10.1152/ajplung.00323.2015</a></p>
Not Applicable / 1:500	<p>A-11122 was used in immunocytochemistry to report that NEK8 human mutations cause major organ developmental defects, altered ciliogenesis, disrupted cell differentiation and proliferation, and deregulation of the Hippo pathway</p> <p>PLoS genetics (Mar 2016; 12: null)  <b>"Novel NEK8 Mutations Cause Severe Syndromic Renal Cystic Dysplasia through YAP Dysregulation."</b>            Author(s):Grampa V,Delous M,Zaidan M,Odye G,Thomas S,Elkhartoufi N,Filhol E,Niel O,Silbermann F,Lebreton C,Collardeau-Frachon S,Rouvet I,Alessandri JL,Devisme L,Dieux-Coeslier A,Cordier MP,Capri Y,Khung-Savatovsky S,Sigaudy S,Salomon R,Antignac C,Gubler MC,Benmerah A,Terzi F,Attie-Bitach T,Jeanpierre C,Saunier S            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.1005894">http://dx.doi.org/10.1371/journal.pgen.1005894</a></p>
Not Applicable / 1:1000	<p>A-11122 was used in immunohistochemistry to identify and characterize a novel FGF2-responsive region in the c-Maf promoter</p> <p>The Journal of biological chemistry (Feb 2016; 291: 3947)  <b>"Regulation of c-Maf and <math>\alpha</math>-A-Crystallin in Ocular Lens by Fibroblast Growth Factor Signaling."</b>            Author(s):Xie Q,McGreal R,Harris R,Gao CY,Liu W,Reneker LW,Musil LS,Cvekl A            PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M115.705103">http://dx.doi.org/10.1074/jbc.M115.705103</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in western blot to discuss using genetically engineered non-human primates to study brain disorders</p> <p>Nature (Feb 2016; 530: 98)  <b>"Autism-like behaviours and germline transmission in transgenic monkeys overexpressing MeCP2."</b>            Author(s):Liu Z,Li X,Zhang JT,Cai YJ,Cheng TL,Cheng C,Wang Y,Zhang CC,Nie YH,Chen ZF,Bian WJ,Zhang L,Xiao J,Lu B,Zhang YF,Zhang XD,Sang X,Wu JJ,Xu X,Xiong ZQ,Zhang F,Yu X,Gong N,Zhou WH,Sun Q,Qiu Z            PubMed Article URL:<a href="http://dx.doi.org/10.1038/nature16533">http://dx.doi.org/10.1038/nature16533</a></p>
Not Applicable / 1:500	<p>A-11122 was used in immunohistochemistry to report a role for motor neurons in controlling the locomotor circuit function via gap junctions in zebrafish</p> <p>Nature (Jan 2016; 529: 399)  <b>"Motor neurons control locomotor circuit function retrogradely via gap junctions."</b>            Author(s):Song J,Ampatzis K,Björnfors ER,El Manira A            PubMed Article URL:<a href="http://dx.doi.org/10.1038/nature16497">http://dx.doi.org/10.1038/nature16497</a></p>

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	A-11122 was used in immunocytochemistry to investigate the role and localization of Fam181b and Fam181a.
Not Applicable / Not Cited	Gene (Jan 2016; 575: 438) <b>"Analysis of the Fam181 gene family during mouse development reveals distinct strain-specific expression patterns, suggesting a role in nervous system development and function."</b> Author(s):Marks M,Pennimpede T,Lange L,Grote P,Herrmann BG,Wittler L PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.gene.2015.09.035">http://dx.doi.org/10.1016/j.gene.2015.09.035</a>
	A-11122 was used in western blot to study Tlr2 using rainbow trout
Not Applicable / 1 mg/ml	Developmental and comparative immunology (Jan 2016; 54: 75) <b>"Structurally diverse genes encode Tlr2 in rainbow trout: The conserved receptor cannot be stimulated by classical ligands to activate NF-<math>\kappa</math>B in vitro."</b> Author(s):Brietzke A,Arnemo M,Gj��en T,Rebl H,Koryt�� T,Goldammer T,Rebl A,Seyfert HM PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.dci.2015.08.012">http://dx.doi.org/10.1016/j.dci.2015.08.012</a>
	A-11122 was used in immunocytochemistry, immunoprecipitation, and western blot to describe a missense mutation that affects both functions of gephyrin
Not Applicable / 1:200	EMBO molecular medicine (Dec 2015; 7: 1580) <b>"Simultaneous impairment of neuronal and metabolic function of mutated gephyrin in a patient with epileptic encephalopathy."</b> Author(s):Dejanovic B,Dj��mi�� T,Gr��newald N,Suls A,Kress V,Hetsch F,Craiu D,Zemel M,Gormley P,Lal D,Myers CT,Mefford HC,Palotie A,Helbig I,Meier JC,De Jonghe P,Weckhuysen S,Schwarz G PubMed Article URL: <a href="http://dx.doi.org/10.15252/emmm.201505323">http://dx.doi.org/10.15252/emmm.201505323</a>
	A-11122 was used in immunohistochemistry to study the stem cell pools in the hair follicle, sebaceous gland, and interfollicular epidermis of murine skin
Not Applicable / 1:500	Stem cell reports (Nov 2015; 5: 843) <b>"Dynamics of Lgr6�� Progenitor Cells in the Hair Follicle, Sebaceous Gland, and Interfollicular Epidermis."</b> Author(s):F��llgrabe A,Joost S,Are A,Jacob T,Sivan U,Haegebarth A,Linnarsson S,Simons BD,Clevers H,Toftg��rd R,Kasper M PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.stemcr.2015.09.013">http://dx.doi.org/10.1016/j.stemcr.2015.09.013</a>
	A-11122 was used in western blot to identify the sequence motif of B class phosphodiester oligodeoxyribonucleotides that govern mouse TLR9 activation.
Not Applicable / 1:1000	Journal of immunology (Baltimore, Md. : 1950) (Nov 2015; 195: 4396) <b>"Species-Specific Minimal Sequence Motif for Oligodeoxyribonucleotides Activating Mouse TLR9."</b> Author(s):Pohar J,Lain��ek D,Fukui R,Yamamoto C,Miyake K,Jerala R,Ben��ina M PubMed Article URL: <a href="http://dx.doi.org/10.4049/jimmunol.1500600">http://dx.doi.org/10.4049/jimmunol.1500600</a>
	A-11122 was used in immunohistochemistry to examine the function of Hox11 in postnatal bone growth and patterning
Not Applicable / 1:200	Biology open (Oct 2015; 4: 1538) <b>"Hox11 genes regulate postnatal longitudinal bone growth and growth plate proliferation."</b> Author(s):Pineault KM,Swinehart IT,Garthus KN,Ho E,Yao Q,Schipani E,Kozloff KM,Wellik DM PubMed Article URL: <a href="http://dx.doi.org/10.1242/bio.012500">http://dx.doi.org/10.1242/bio.012500</a>
	A-11122 was used in western blot to identify Dictyostelium as an organism that suppress aggregation of proteins with long polyglutamine tracts
Not Applicable / 1:1000	The Journal of biological chemistry (Oct 2015; 290: 25571) <b>"The Social Amoeba Dictyostelium discoideum Is Highly Resistant to Polyglutamine Aggregation."</b> Author(s):Santarriaga S,Petersen A,Ndukwe K,Brandt A,Gerges N,Bruns Scaglione J,Scaglione KM PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M115.676247">http://dx.doi.org/10.1074/jbc.M115.676247</a>
	A-11122 was used in immunohistochemistry to use nanoparticle-facilitated siRNA to knock down genes in the zebrafish heart
Not Applicable / Not Cited	Developmental biology (Oct 2015; 406: 196) <b>"PEG-PLA nanoparticles facilitate siRNA knockdown in adult zebrafish heart."</b> Author(s):Diao J,Wang H,Chang N,Zhou XH,Zhu X,Wang J,Xiong JW PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ydbio.2015.08.020">http://dx.doi.org/10.1016/j.ydbio.2015.08.020</a>
	A-11122 was used in western blot to show that importin 8 transports SV40T antigen classical nuclear localization signal-containing cargo into the nucleus.
Not Applicable / 2 ��g/ml	Biochimica et biophysica acta (Oct 2015; 1853: 2676) <b>"Functional characterization of importin ��8 as a classical nuclear localization signal receptor."</b> Author(s):Kimoto C,Moriyama T,Tsujii A,Igarashi Y,Obuse C,Miyamoto Y,Oka M,Yoneda Y PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bbamcr.2015.07.017">http://dx.doi.org/10.1016/j.bbamcr.2015.07.017</a>

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	A-11122 was used in immunoprecipitation to propose a mechanism for how TOR activity regulates the TRPML1 channel.
Not Applicable / Not Cited	<p>The Biochemical journal (Sep 2015; 470: 331)</p> <p><b>"The mucopolipidosis IV Ca2+ channel TRPML1 (MCOLN1) is regulated by the TOR kinase."</b></p> <p>Author(s):Onyenwoke RU,Sexton JZ,Yan F,Díaz MC,Forsberg LJ,Major MB,Brenman JE</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1042/BJ20150219">http://dx.doi.org/10.1042/BJ20150219</a></p>
	A-11122 was used in western blot to investigate the mechanism of TRPM8-mediated cold perception.
Not Applicable / 1:3000	<p>Neuroscience (Sep 2015; 303: 378)</p> <p><b>"Expression of vesicular glutamate transporters in transient receptor potential melastatin 8 (TRPM8)-positive dental afferents in the mouse."</b></p> <p>Author(s):Kim YS,Kim TH,McKemy DD,Bae YC</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1016/j.neuroscience.2015.07.013">http://dx.doi.org/10.1016/j.neuroscience.2015.07.013</a></p>
	A-11122 was used in immunohistochemistry to investigate how protein phosphatase type 2A complex suppresses tumors.
Not Applicable / 1:1000	<p>Development (Cambridge, England) (Sep 2015; 142: 3033)</p> <p><b>"Protein phosphatase 2A promotes the transition to G0 during terminal differentiation in Drosophila."</b></p> <p>Author(s):Sun D,Buttitta L</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.120824">http://dx.doi.org/10.1242/dev.120824</a></p>
	A-11122 was used in immunohistochemistry - paraffin section to elucidate how acetylcholine regulates main and accessory olfactory bulbs circuitry
Not Applicable / 1:1000	<p>The Journal of neuroscience : the official journal of the Society for Neuroscience (Jul 2015; 35: 10773)</p> <p><b>"Differential Muscarinic Modulation in the Olfactory Bulb."</b></p> <p>Author(s):Smith RS,Hu R,DeSouza A,Eberly CL,Krahe K,Chan W,Araneda RC</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1523/JNEUROSCI.0099-15.2015">http://dx.doi.org/10.1523/JNEUROSCI.0099-15.2015</a></p>
	A-11122 was used in immunohistochemistry to characterize glia in enteric nervous system.
Not Applicable / 1:1000	<p>Glia (Jun 2015; null: null)</p> <p><b>"Enteric glia express proteolipid protein 1 and are a transcriptionally unique population of glia in the mammalian nervous system."</b></p> <p>Author(s):Rao M,Nelms BD,Dong L,Salinas-Rios V,Rutlin M,Gershon MD,Corfas G</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1002/glia.22876">http://dx.doi.org/10.1002/glia.22876</a></p>
	A-11122 was used in western blot to test if NBPF1 is a tumor suppressor.
Not Applicable / 1:1000	<p>BMC cancer (May 2015; 15: null)</p> <p><b>"NBPF1, a tumor suppressor candidate in neuroblastoma, exerts growth inhibitory effects by inducing a G1 cell cycle arrest."</b></p> <p>Author(s):Andries V,Vandepoele K,Staes K,Berx G,Bogaert P,Van Isterdael G,Ginneberge D,Parthoens E,Vandenbussche J, Gevaert K, van Roy F</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1186/s12885-015-1408-5">http://dx.doi.org/10.1186/s12885-015-1408-5</a></p>
	A-11122 was used in immunohistochemistry (frozen) to characterize a mouse line where cells expressing low levels of Notch1 activation are marked.
Not Applicable / 1:1000	<p>Development (Cambridge, England) (Mar 2015; 142: 1193)</p> <p><b>"Second-generation Notch1 activity-trap mouse line (N1IP::CreHI) provides a more comprehensive map of cells experiencing Notch1 activity."</b></p> <p>Author(s):Liu Z,Brunskill E,Boyle S,Chen S,Turkoz M,Guo Y,Grant R,Kopan R</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.119529">http://dx.doi.org/10.1242/dev.119529</a></p>
	A-11122 was used in western blot to study the crosstalk between DNA damage response and the centrosome
Not Applicable / Not Cited	<p>Cell cycle (Georgetown, Tex.) (Jan 2015; 13: 3685)</p> <p><b>"BRCA1 and FancJ cooperatively promote interstrand crosslinker induced centrosome amplification through the activation of polo-like kinase 1."</b></p> <p>Author(s):Zou J,Zhang D,Qin G,Chen X,Wang H,Zhang D</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.4161/15384101.2014.964973">http://dx.doi.org/10.4161/15384101.2014.964973</a></p>
	A-11122 was used in immunohistochemistry to investigate the roles of Lhx3 and its paralog Lhx4 in the development of motoneurons and ventral interneurons.
Not Applicable / 1:1000	<p>Development (Cambridge, England) (Oct 2014; 141: 3900)</p> <p><b>"Lhx3 and Lhx4 suppress Kolmer-Agduhr interneuron characteristics within zebrafish axial motoneurons."</b></p> <p>Author(s):Seredick S,Hutchinson SA, Van Ryswyk L,Talbot JC,Eisen JS</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.105718">http://dx.doi.org/10.1242/dev.105718</a></p>

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	A-11122 was used in immunoprecipitation to show that CDK regulates spindle assembly at mitotic entry by regulating Alp7-Alp14 complex phosphorylation.
Not Applicable / Not Cited	Molecular biology of the cell (Jul 2014; 25: 1969) <b>"CDK-dependent phosphorylation of Alp7-Alp14 (TACC-TOG) promotes its nuclear accumulation and spindle microtubule assembly."</b> Author(s):Okada N,Toda T,Yamamoto M,Sato M PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E13-11-0679">http://dx.doi.org/10.1091/mbc.E13-11-0679</a>
Not Applicable / 1:500	A-11122 was used in immunohistochemistry to investigate how PINK1 is degraded.  PLoS genetics (May 2014; 10: null) <b>"PINK1-Parkin pathway activity is regulated by degradation of PINK1 in the mitochondrial matrix."</b> Author(s):Thomas RE,Andrews LA,Burman JL,Lin WY,Pallanck LJ PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1004279">http://dx.doi.org/10.1371/journal.pgen.1004279</a>
Not Applicable / Not Cited	A-11122 was used in western blot to show that Cdk5 phosphorylation of Syn1 fine tunes the recruitment of synaptic vesicles to the active recycling pool and contributes to the Cdk5-mediated homeostatic responses.  The Journal of neuroscience : the official journal of the Society for Neuroscience (May 2014; 34: 7266) <b>"Phosphorylation of synapsin I by cyclin-dependent kinase-5 sets the ratio between the resting and recycling pools of synaptic vesicles at hippocampal synapses."</b> Author(s):Verstegen AM,Tagliatti E,Lignani G,Marte A,Stolero T,Atias M,Corradi A,Valtorta F,Gitler D,Onofri F,Fassio A, Benfenati F PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3973-13.2014">http://dx.doi.org/10.1523/JNEUROSCI.3973-13.2014</a>
Not Applicable / Not Cited	A-11122 was used in immunoprecipitation to demonstrate that autophagy regulates cyclin A2 degradation.  Journal of cell science (May 2014; 127: 2145) <b>"High-resolution live-cell imaging reveals novel cyclin A2 degradation foci involving autophagy."</b> Author(s):Loukil A,Zonca M,Rebouissou C,Baldin V,Coux O,Biard-Piechaczyk M,Blanchard JM,Peter M PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.139188">http://dx.doi.org/10.1242/jcs.139188</a>
Not Applicable / Not Cited	A-11122 was used in immunocytochemistry to investigate the structures utilized by Coxsackievirus A9 for internalization and uncoating.  Journal of virology (May 2014; 88: 5138) <b>"Coxsackievirus A9 infects cells via nonacidic multivesicular bodies."</b> Author(s):Huttunen M,Waris M,Kajander R,Hyypä T,Marjomäki V PubMed Article URL: <a href="http://dx.doi.org/10.1128/JVI.03275-13">http://dx.doi.org/10.1128/JVI.03275-13</a>
Not Applicable / 1:200	A-11122 was used in immunohistochemistry to determine the function of Msx genes in the spinal cord.  Development (Cambridge, England) (Apr 2014; 141: 1726) <b>"Msx1 and Msx2 act as essential activators of Atoh1 expression in the murine spinal cord."</b> Author(s):Duval N,Daubas P,Bourcier de Carbon C,St Clément C,Tinevez JY,Lopes M,Ribes V,Robert B PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.099002">http://dx.doi.org/10.1242/dev.099002</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry (frozen) to investigate how heme regulates Spic in macrophages.  Cell (Mar 2014; 156: 1223) <b>"Heme-mediated SPI-C induction promotes monocyte differentiation into iron-recycling macrophages."</b> Author(s):Haldar M,Kohyama M,So AY,Kc W,Wu X,Briseño CG,Satpathy AT,Kretzer NM,Arase H,Rajasekaran NS,Wang L, Egawa T,Igarashi K,Baltimore D,Murphy TL,Murphy KM PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.cell.2014.01.069">http://dx.doi.org/10.1016/j.cell.2014.01.069</a>
Not Applicable / 1:15000	A-11122 was used in immunohistochemistry (frozen) to study the in utero communication between gonadotropin-releasing hormone neurons and arcuate nucleus kisspeptin neurons.  The Journal of neuroscience : the official journal of the Society for Neuroscience (Mar 2014; 34: 3756) <b>"Murine arcuate nucleus kisspeptin neurons communicate with GnRH neurons in utero."</b> Author(s):Kumar D,Freese M,Drexler D,Hermans-Borgmeyer I,Marquardt A,Boehm U PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.5123-13.2014">http://dx.doi.org/10.1523/JNEUROSCI.5123-13.2014</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry (frozen) and western blot to elucidate the autophagic status in spinobulbar muscular atrophy using both cellular and mouse models.  Human molecular genetics (Mar 2014; 23: 1376) <b>"Transcriptional activation of TFE3/ZKSCAN3 target genes underlies enhanced autophagy in spinobulbar muscular atrophy."</b> Author(s):Chua JP,Reddy SL,Merry DE,Adachi H,Katsuno M,Sobue G,Robins DM,Lieberman AP PubMed Article URL: <a href="http://dx.doi.org/10.1093/hmg/ddt527">http://dx.doi.org/10.1093/hmg/ddt527</a>

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	A-11122 was used in immunohistochemistry to determine when murine small intestine myenteric neuron subtypes are born.
Not Applicable / 1:500	The Journal of comparative neurology (Feb 2014; 522: 514) <b>"Birthdating of myenteric neuron subtypes in the small intestine of the mouse."</b> Author(s):Bergner AJ,Stamp LA,Gonsalvez DG,Allison MB,Olson DP,Myers MG,Anderson CR,Young HM PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.23423">http://dx.doi.org/10.1002/cne.23423</a>
Not Applicable / Not Cited	A-11122 was used in immunocytochemistry, immunoprecipitation, and western blot to examine if LamR interacts with prions and amyloids.  PloS one (Jan 2014; 9: null) <b>"Interaction of human laminin receptor with Sup35, the [PSI<sup>Δ</sup>] prion-forming protein from S. cerevisiae: a yeast model for studies of LamR interactions with amyloidogenic proteins."</b> Author(s):Pampeno C,Derkatch IL,Meruelo D PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0086013">http://dx.doi.org/10.1371/journal.pone.0086013</a>
Not Applicable / 1:200	A-11122 was used in immunohistochemistry to study how pericyte development and density is regulated in the brain.  Development (Cambridge, England) (Jan 2014; 141: 307) <b>"Notch3 establishes brain vascular integrity by regulating pericyte number."</b> Author(s):Wang Y,Pan L,Moens CB,Appel B PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.096107">http://dx.doi.org/10.1242/dev.096107</a>
Not Applicable / Not Cited	A-11122 was used in immunoprecipitation to study the effect of short-term heat shock treatment on neutrophil function using zebrafish.  PloS one (Dec 2013; 8: null) <b>"Heat shock modulates neutrophil motility in zebrafish."</b> Author(s):Lam PY,Harvie EA,Huttenlocher A PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0084436">http://dx.doi.org/10.1371/journal.pone.0084436</a>
Not Applicable / 1:1000	A-11122 was used in immunoprecipitation to study the processing of glycoprotein 3 of equine arteritis virus.  The Journal of biological chemistry (Dec 2013; 288: 35396) <b>"Co-translational processing of glycoprotein 3 from equine arteritis virus: N-glycosylation adjacent to the signal peptide prevents cleavage."</b> Author(s):Matczuk AK,Kunec D,Veit M PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M113.505420">http://dx.doi.org/10.1074/jbc.M113.505420</a>
Not Applicable / 1:1000	A-11122 was used in western blot to develop a method using in utero electroporation to introduce pathogenic genes into the brain of mice to study amyotrophic lateral sclerosis.  Neuroscience research (Dec 2013; 77: 234) <b>"A unique mouse model for investigating the properties of amyotrophic lateral sclerosis-associated protein TDP-43, by in utero electroporation."</b> Author(s):Akamatsu M,Takuma H,Yamashita T,Okada T,Keino-Masu K,Ishii K,Kwak S,Masu M,Tamaoka A PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.neures.2013.09.009">http://dx.doi.org/10.1016/j.neures.2013.09.009</a>
Not Applicable / Not Cited	A-11122 was used in western blot to elucidate how PINK1 tags damaged mitochondria for autophagic elimination.  Autophagy (Nov 2013; 9: 1758) <b>"PINK1 is degraded through the N-end rule pathway."</b> Author(s):Yamano K,Youle RJ PubMed Article URL: <a href="http://dx.doi.org/10.4161/auto.24633">http://dx.doi.org/10.4161/auto.24633</a>
Not Applicable / Not Cited	A-11122 was used in immunoprecipitation to demonstrate that TRPC4/TRPC5 is activated by Gi.  Cell calcium (Oct 2013; 54: 307) <b>"Activation of TRPC4<math>\beta</math> by G<math>\zeta</math>i subunit increases Ca<sup>2+</sup> selectivity and controls neurite morphogenesis in cultured hippocampal neuron."</b> Author(s):Jeon JP,Roh SE,Wie J,Kim J,Kim H,Lee KP,Yang D,Jeon JH,Cho NH,Kim IG,Kang DE,Kim HJ,So I PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.ceca.2013.07.006">http://dx.doi.org/10.1016/j.ceca.2013.07.006</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry to examine the development and anatomy of the insect locomotor control center.  The Journal of comparative neurology (Aug 2013; 521: 2645) <b>"Diverse neuronal lineages make stereotyped contributions to the Drosophila locomotor control center, the central complex."</b> Author(s):Yang JS,Awasaki T,Yu HH,He Y,Ding P,Kao JC,Lee T PubMed Article URL: <a href="http://dx.doi.org/10.1002/cne.23339">http://dx.doi.org/10.1002/cne.23339</a>

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	A-11122 was used in immunoprecipitation to study plectin in myelinating Schwann cells.
Not Applicable / 1:100	<p>Glia (Aug 2013; 61: 1274)  <b>"Stabilization of the dystroglycan complex in Cajal bands of myelinating Schwann cells through plectin-mediated anchorage to vimentin filaments."</b>            Author(s):Walko G,Wögenstein KL,Winter L,Fischer I,Feltri ML,Wiche G            PubMed Article URL:<a href="http://dx.doi.org/10.1002/glia.22514">http://dx.doi.org/10.1002/glia.22514</a></p>
	A-11122 was used in flow cytometry to investigate the effects of anti-platelet-derived growth factor drugs on cancerous vascular remodeling.
Not Applicable / 1:50	<p>Nature communications (Jul 2013; 4: null)  <b>"Tumour PDGF-BB expression levels determine dual effects of anti-PDGF drugs on vascular remodelling and metastasis."</b>            Author(s):Hosaka K,Yang Y,Seki T,Nakamura M,Andersson P,Rouhi P,Yang X,Jensen L,Lim S,Feng N,Xue Y,Li X,Larsson O,Ohhashi T,Cao Y            PubMed Article URL:<a href="http://dx.doi.org/10.1038/ncomms3129">http://dx.doi.org/10.1038/ncomms3129</a></p>
	A-11122 was used in immunohistochemistry to show that RhoA signaling controls of neuroepithelial apicobasal polarity during vertebrate development.
Not Applicable / 1:500	<p>Development (Cambridge, England) (Jul 2013; 140: 2787)  <b>"ArhGEF18 regulates RhoA-Rock2 signaling to maintain neuro-epithelial apico-basal polarity and proliferation."</b>            Author(s):Herder C,Swiercz JM,Müller C,Peravali R,Quiring R,Offermanns S,Wittbrodt J,Loosli F            PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.096487">http://dx.doi.org/10.1242/dev.096487</a></p>
	A-11122 was used in flow cytometry to identify the sequences within MN1 that induced leukemia.
Not Applicable / Not Cited	<p>PloS one (Apr 2013; 8: null)  <b>"Mapping of MN1 sequences necessary for myeloid transformation."</b>            Author(s):Kandilci A,Surtel J,Janke L,Neale G,Terranova S,Grosveld GC            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0061706">http://dx.doi.org/10.1371/journal.pone.0061706</a></p>
	A-11122 was used in immunohistochemistry to determine the neuronal expression pattern and subcellular localization of Nav4.
Not Applicable / Not Cited	<p>The Journal of neuroscience : the official journal of the Society for Neuroscience (Apr 2013; 33: 6191)  <b>"Na+ channel-dependent recruitment of Navβ4 to axon initial segments and nodes of Ranvier."</b>            Author(s):Buffington SA,Rasband MN            PubMed Article URL:<a href="http://dx.doi.org/10.1523/JNEUROSCI.4051-12.2013">http://dx.doi.org/10.1523/JNEUROSCI.4051-12.2013</a></p>
	A-11122 was used in western blot to report that Baz-STAT92E interaction depends on the presence of the Drosophila Src kinases to regulate cell polarity.
Not Applicable / 1:1000	<p>Development (Cambridge, England) (Apr 2013; 140: 1507)  <b>"Src kinases mediate the interaction of the apical determinant Bazooka/PA3 with STAT92E and increase signalling efficiency in Drosophila ectodermal cells."</b>            Author(s):Sotillos S,Krahn M,Espinosa-Vázquez JM,Hombría JC            PubMed Article URL:<a href="http://dx.doi.org/10.1242/dev.092320">http://dx.doi.org/10.1242/dev.092320</a></p>
	A-11122 was used in immunohistochemistry to investigate the contribution of the neural crest to the zebrafish skeleton.
Not Applicable / 1:500	<p>PloS one (Nov 2012; 7: null)  <b>"Skeletogenic fate of zebrafish cranial and trunk neural crest."</b>            Author(s):Kague E,Gallagher M,Burke S,Parsons M,Franz-Odendaal T,Fisher S            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0047394">http://dx.doi.org/10.1371/journal.pone.0047394</a></p>
	A-11122 was used in immunohistochemistry (frozen) to show that Annexin A6 regulates chick midbrain neural crest cell emigration.
Not Applicable / 1:500	<p>PloS one (Sep 2012; 7: null)  <b>"Annexin a6 modulates chick cranial neural crest cell emigration."</b>            Author(s):Wu CY,Taneyhill LA            PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0044903">http://dx.doi.org/10.1371/journal.pone.0044903</a></p>
	A-11122 was used in immunocytochemistry to study the control of NMDA receptor surface trafficking by the binding of glutamate to GluN2B subunits.
Not Applicable / Not Cited	<p>The Journal of biological chemistry (Aug 2012; 287: 27432)  <b>"Glutamate binding to the GluN2B subunit controls surface trafficking of N-methyl-D-aspartate (NMDA) receptors."</b>            Author(s):She K,Ferreira JS,Carvalho AL,Craig AM            PubMed Article URL:<a href="http://dx.doi.org/10.1074/jbc.M112.345108">http://dx.doi.org/10.1074/jbc.M112.345108</a></p>

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	A-11122 was used in immunocytochemistry, immunoprecipitation, and western blot to elucidate the role of F-BAR-domains in cell morphogenesis.
Not Applicable / Not Cited	Journal of cell science (Jul 2012; 125: 3390) <b>"The F-BAR domains from srGAP1, srGAP2 and srGAP3 regulate membrane deformation differently."</b> Author(s):Coutinho-Budd J,Ghukasyan V,Zylka MJ,Polleux F PubMed Article URL: <a href="http://dx.doi.org/10.1242/jcs.098962">http://dx.doi.org/10.1242/jcs.098962</a>
	A-11122 was used in immunoprecipitation to identify G(q)-PLC-coupled receptors as regulators of TRPC4/5 channels.
Not Applicable / 1 µg	The Journal of biological chemistry (May 2012; 287: 17029) <b>"Selective G<sub>q</sub> subunits as novel direct activators of transient receptor potential canonical (TRPC)4 and TRPC5 channels."</b> Author(s):Jeon JP,Hong C,Park EJ,Jeon JH,Cho NH,Kim IG,Choe H,Muallem S,Kim HJ,So I PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M111.326553">http://dx.doi.org/10.1074/jbc.M111.326553</a>
	A-11122 was used in immunohistochemistry (frozen) to examine the role of dopamine in odor processing.
Not Applicable / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (May 2012; 32: 6830) <b>"Dopaminergic modulation of mitral cells and odor responses in the zebrafish olfactory bulb."</b> Author(s):Bundschuh ST,Zhu P,Schärer YP,Friedrich RW PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.6026-11.2012">http://dx.doi.org/10.1523/JNEUROSCI.6026-11.2012</a>
	A-11122 was used in immunoprecipitation to characterize the common properties of Arabidopsis H3 variants.
Not Applicable / Not Cited	PLoS genetics (May 2012; 8: null) <b>"Dynamic deposition of histone variant H3.3 accompanies developmental remodeling of the Arabidopsis transcriptome."</b> Author(s):Wollmann H,Holec S,Alden K,Clarke ND,Jacques PÉ,Berger F PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1002658">http://dx.doi.org/10.1371/journal.pgen.1002658</a>
	A-11122 was used in immunohistochemistry to study how intestinal tube dimensions are regulated.
Not Applicable / 1:1000	Nature cell biology (Mar 2012; 14: 518) <b>"Drosophila Src regulates anisotropic apical surface growth to control epithelial tube size."</b> Author(s):Nelson KS,Khan Z,Molnár I,Mihály J,Kaschube M,Beitel GJ PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2467">http://dx.doi.org/10.1038/ncb2467</a>
	A-11122 was used in immunoprecipitation and western blot to determine how interactions between Vangl1 and Vangl2 contribute to the Looptail mutation.
Not Applicable / Not Cited	PloS one (Feb 2012; 7: null) <b>"Comparison of phenotypes between different vangl2 mutants demonstrates dominant effects of the Looptail mutation during hair cell development."</b> Author(s):Yin H,Copley CO,Goodrich LV,Deans MR PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0031988">http://dx.doi.org/10.1371/journal.pone.0031988</a>
	A-11122 was used in immunohistochemistry to elucidate the role of Ser129 phosphorylation in -syn neurotoxicity.
Not Applicable / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (Nov 2011; 31: 16884) <b>"Authentically phosphorylated <math>\alpha</math>-synuclein at Ser129 accelerates neurodegeneration in a rat model of familial Parkinson's disease."</b> Author(s):Sato H,Arawaka S,Hara S,Fukushima S,Koga K,Koyama S,Kato T PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3967-11.2011">http://dx.doi.org/10.1523/JNEUROSCI.3967-11.2011</a>
	A-11122 was used in immunoprecipitation and western blot to study the TMD4 of presenilin 1 and identify polar amino acids critical for -secretase assembly and function.
Not Applicable / Not Cited	The Journal of biological chemistry (Nov 2011; 286: 38390) <b>"Polar transmembrane-based amino acids in presenilin 1 are involved in endoplasmic reticulum localization, Pen2 protein binding, and <math>\alpha</math>-secretase complex stabilization."</b> Author(s):Fassler M,Li X,Kaether C PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M111.252429">http://dx.doi.org/10.1074/jbc.M111.252429</a>
	A-11122 was used in immunohistochemistry to demonstrate that cingulin is critical for neural crest migration.
Not Applicable / 1:500	Developmental dynamics : an official publication of the American Association of Anatomists (Oct 2011; 240: 2309) <b>"The tight junction scaffolding protein cingulin regulates neural crest cell migration."</b> Author(s):Wu CY,Jhingory S,Taneyhill LA PubMed Article URL: <a href="http://dx.doi.org/10.1002/dvdy.22735">http://dx.doi.org/10.1002/dvdy.22735</a>

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	A-11122 was used in immunohistochemistry to report that secreted VEGF is a chemoattractant for commissural axons in vitro and in vivo.
Not Applicable / Not Cited	Neuron (Jun 2011; 70: 966) <b>"VEGF mediates commissural axon chemoattraction through its receptor Flk1."</b> Author(s):Ruiz de Almodovar C,Fabre PJ,Knevels E,Coulon C,Segura I,Haddick PC,Aerts L,Delattin N,Strasser G,Oh WJ, Lange C,Vinckier S,Haigh J,Fouquet C,Gu C,Alitalo K,Castellani V,Tessier-Lavigne M,Chedotal A,Charron F,Carmeliet P PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.neuron.2011.04.014">http://dx.doi.org/10.1016/j.neuron.2011.04.014</a>
Not Applicable / 1:2000	A-11122 was used in immunohistochemistry to generate and characterize human ensheathing glia cell lines  Cell transplantation (Apr 2011; 20: 153) <b>"A neuroregenerative human ensheathing glia cell line with conditional rapid growth."</b> Author(s):García-Escudero V,Gargini R,Gallego-Hernández MT,García-Gómez A,Martín-Bermejo MJ,Simón D,Delicado A, Moreno-Flores MT,Avila J,Lim F PubMed Article URL: <a href="http://dx.doi.org/10.3727/096368910X522108">http://dx.doi.org/10.3727/096368910X522108</a>
Not Applicable / Not Cited	A-11122 was used in blocking or activating experiment to test if leptin signaling within the lateral hypothalamus and midbrain is involved in effort-based responding for food rewards and/or modulation of mesolimbic dopamine  Biological psychiatry (Apr 2011; 69: 668) <b>"Leptin regulates energy balance and motivation through action at distinct neural circuits."</b> Author(s):Davis JF,Choi DL,Schurdak JD,Fitzgerald MF,Clegg DJ,Lipton JW,Figlewicz DP,Benoit SC PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.biopsych.2010.08.028">http://dx.doi.org/10.1016/j.biopsych.2010.08.028</a>
Not Applicable / Not Cited	A-11122 was used in immunohistochemistry - frozen section to test if the sexually dimorphic expression of Sf1 during gonadogenesis is mediated by sex-specific regulation of its promoter  Biology of reproduction (Mar 2011; 84: 422) <b>"Two regions within the proximal steroidogenic factor 1 promoter drive somatic cell-specific activity in developing gonads of the female mouse."</b> Author(s):Gao L,Kim Y,Kim B,Lofgren SM,Schultz-Norton JR,Nardulli AM,Heckert LL,Jorgensen JS PubMed Article URL: <a href="http://dx.doi.org/10.1095/biolreprod.110.084590">http://dx.doi.org/10.1095/biolreprod.110.084590</a>
Not Applicable / 1:100	A-11122 was used in immunohistochemistry to develop a dual-labeling method to study the synaptic connectivity of neurons  Journal of neuroscience methods (Jan 2011; 194: 312) <b>"Dual-labeling method for electron microscopy to characterize synaptic connectivity using genetically encoded fluorescent reporters in Drosophila."</b> Author(s):Tanaka NK,Dye L,Stopfer M PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jneumeth.2010.10.020">http://dx.doi.org/10.1016/j.jneumeth.2010.10.020</a>
Not Applicable / 1:1500	A-11122 was used in immunocytochemistry to identify radixin as a scaffolding unit for Epac and PKA  The Journal of biological chemistry (Jan 2011; 286: 859) <b>"Radixin assembles cAMP effectors Epac and PKA into a functional cAMP compartment: role in cAMP-dependent cell proliferation."</b> Author(s):Hochbaum D,Barila G,Ribeiro-Neto F,Altschuler DL PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M110.163816">http://dx.doi.org/10.1074/jbc.M110.163816</a>
Not Applicable / Not Cited	A-11122 was used in western blot to report that the 5' mRNA coding region near the AUG start codon is crucial for determining translation output  Protein engineering, design and selection : PEDS (Jan 2011; 24: 123) <b>"Tuning protein expression using synonymous codon libraries targeted to the 5' mRNA coding region."</b> Author(s):Goltermann L,Borch Jensen M,Bentin T PubMed Article URL: <a href="http://dx.doi.org/10.1093/protein/gzq086">http://dx.doi.org/10.1093/protein/gzq086</a>
Not Applicable / Not Cited	A-11122 was used in proximity ligation assay and western blot to explore the contribution of mammary-derived growth inhibitor to breast cancer invasion  Oncogene (Dec 2010; 29: 6452) <b>"Mammary-derived growth inhibitor (MDGI) interacts with integrin <math>\alpha</math>-subunits and suppresses integrin activity and invasion."</b> Author(s):Nevo J,Mai A,Tuomi S,Pellinen T,Pentikäinen OT,Heikkilä P,Lundin J,Joensuu H,Bono P,Ivaska J PubMed Article URL: <a href="http://dx.doi.org/10.1038/onc.2010.376">http://dx.doi.org/10.1038/onc.2010.376</a>

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	A-11122 was used in immunoprecipitation and western blot to elucidate the role for A-kinase-anchoring protein AKAP-Lbc in MAPK signaling
Not Applicable / Not Cited	Nature cell biology (Dec 2010; 12: 1242) <b>"AKAP-Lbc enhances cyclic AMP control of the ERK1/2 cascade."</b> Author(s):Smith FD,Langeberg LK,Cellurale C,Pawson T,Morrison DK,Davis RJ,Scott JD PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2130">http://dx.doi.org/10.1038/ncb2130</a>
	A-11122 was used in immunohistochemistry to establish a genetically encoded, specific, universal, and phenotypically neutral marker of the somatodendritic compartment of Drosophila
Not Applicable / 1:1000	Proceedings of the National Academy of Sciences of the United States of America (Nov 2010; 107: 20553) <b>"Genetically encoded dendritic marker sheds light on neuronal connectivity in Drosophila."</b> Author(s):Nicolai LJ,Ramaekers A,Raemaekers T,Drozdzewski A,Mauss AS,Yan J,Landgraf M,Annaert W,Hassan BA PubMed Article URL: <a href="http://dx.doi.org/10.1073/pnas.1010198107">http://dx.doi.org/10.1073/pnas.1010198107</a>
	A-11122 was used in immunohistochemistry to map the functional connectivity of a subpopulation of GABA-containing neurons
Not Applicable / Not Cited	Nature (Nov 2010; 468: 270) <b>"Genetic dissection of an amygdala microcircuit that gates conditioned fear."</b> Author(s):Haubensak W,Kunwar PS,Cai H,Ciocchi S,Wall NR,Ponnusamy R,Biag J,Dong HW,Deisseroth K,Callaway EM,Fanselow MS,Lüthi A,Anderson DJ PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature09553">http://dx.doi.org/10.1038/nature09553</a>
	A-11122 was used in immunocytochemistry to identify Nr1h1 as the aluminum transporter of rice
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Not Applicable / Not Cited	<p>PloS one (Jul 2010; 5: null)</p> <p><b>"The human cytomegalovirus UL76 gene regulates the level of expression of the UL77 gene."</b></p> <p>Author(s): Isomura H, Stinski MF, Murata T, Nakayama S, Chiba S, Akatsuka Y, Kanda T, Tsurumi T</p> <p>PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0011901">http://dx.doi.org/10.1371/journal.pone.0011901</a></p>
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Not Applicable / Not Cited	<p>A-11122 was used in ChIP assay and immunocytochemistry to investigate proteins involved in centromere coupling</p> <p>Molecular biology of the cell (Jun 2010; 21: 1799)</p> <p><b>"Meiotic cohesin promotes pairing of nonhomologous centromeres in early meiotic prophase."</b></p> <p>Author(s): Chuong H, Dawson DS</p> <p>PubMed Article URL: <a href="http://dx.doi.org/10.1091/mbc.E09-05-0392">http://dx.doi.org/10.1091/mbc.E09-05-0392</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in immunohistochemistry to develop and characterize a vector that targets tumor vascular endothelial cells</p> <p>Molecular therapy : the journal of the American Society of Gene Therapy (May 2010; 18: 921)</p> <p><b>"Use of adenoviral vectors to target chemotherapy to tumor vascular endothelial cells suppresses growth of breast cancer and melanoma."</b></p> <p>Author(s): Li P, Liu Y, Maynard J, Tang Y, Deisseroth A</p> <p>PubMed Article URL: <a href="http://dx.doi.org/10.1038/mt.2010.5">http://dx.doi.org/10.1038/mt.2010.5</a></p>
Not Applicable / Not Cited	<p>A-11122 was used in immunocytochemistry to discuss the homology-independent pairwise association of centromeres</p> <p>PloS one (Apr 2010; 5: null)</p> <p><b>"Temporal characterization of homology-independent centromere coupling in meiotic prophase."</b></p> <p>Author(s): Obeso D, Dawson DS</p> <p>PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0010336">http://dx.doi.org/10.1371/journal.pone.0010336</a></p>
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Species / Dilution	Summary
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Not Applicable / Not Cited	Molecular therapy : the journal of the American Society of Gene Therapy (Jun 2016; 24: 1050) <b>"Pulmonary Targeting of Adeno-associated Viral Vectors by Next-generation Sequencing-guided Screening of Random Capsid Displayed Peptide Libraries."</b> Author(s):Körbelin J,Sieber T,Michelfelder S,Lunding L,Spies E,Hunger A,Alawi M,Rapti K,Indenbirken D,Müller OJ,Pasqualini R,Arap W,Kleinschmidt JA,Trepel M PubMed Article URL: <a href="http://dx.doi.org/10.1038/mt.2016.62">http://dx.doi.org/10.1038/mt.2016.62</a>
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Not Applicable / Not Cited	EMBO molecular medicine (Feb 2016; 8: 155) <b>"IFN<math>\gamma</math> gene/cell therapy curbs colorectal cancer colonization of the liver by acting on the hepatic microenvironment."</b> Author(s):Catarinella M,Monestiroli A,Escobar G,Fiocchi A,Tran NL,Aiolfi R,Marra P,Esposito A,Cipriani F,Aldrighetti L,Iannacone M,Naldini L,Guidotti LG,Sitia G PubMed Article URL: <a href="http://dx.doi.org/10.15252/emmm.201505395">http://dx.doi.org/10.15252/emmm.201505395</a>
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Not Applicable / 1:500	<p>Experimental physiology (Feb 2013; 98: 564)</p> <p><b>"Overexpression of peroxisome proliferator-activated receptor <math>\alpha</math> in pancreatic <math>\beta</math>-cells improves glucose tolerance in diet-induced obese mice."</b></p> <p>Author(s):Hogh KL,Uy CE,Asadi A,Baker RK,Riedel MJ,Gray SL</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1113/expphysiol.2012.068734">http://dx.doi.org/10.1113/expphysiol.2012.068734</a></p>
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## 15 Immunohistochemistry - Free Floating References

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Not Applicable / 1:3000	A-11122 was used in immunohistochemistry - free floating to study the role of Notch1 in maintaining a reservoir of adult hippocampal stem cells  The Journal of neuroscience : the official journal of the Society for Neuroscience (Aug 2010; 30: 10484) <b>"Notch1 is required for maintenance of the reservoir of adult hippocampal stem cells."</b> Author(s):Ables JL,Decarolis NA,Johnson MA,Rivera PD,Gao Z,Cooper DC,Radtke F,Hsieh J,Eisch AJ PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.4721-09.2010">http://dx.doi.org/10.1523/JNEUROSCI.4721-09.2010</a>
Not Applicable / 1:1000	A-11122 was used in immunohistochemistry - free floating to report that PSD-95 modulates metabotropic 5-HT(2A) and 5-HT(2C) receptor function  The Journal of neuroscience : the official journal of the Society for Neuroscience (Jun 2009; 29: 7124) <b>"PSD-95 is essential for hallucinogen and atypical antipsychotic drug actions at serotonin receptors."</b> Author(s):Abbas AI,Yadav PN,Yao WD,Arbuckle MI,Grant SG,Caron MG,Roth BL PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.1090-09.2009">http://dx.doi.org/10.1523/JNEUROSCI.1090-09.2009</a>
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Not Applicable / 1:1000	Journal of neuroscience methods (Jun 2007; 163: 76) <b>"Pepsin pretreatment allows collagen IV immunostaining of blood vessels in adult mouse brain."</b> Author(s):Franciosi S,De Gasperi R,Dickstein DL,English DF,Rocher AB,Janssen WG,Christoffel D,Sosa MA,Hof PR, Buxbaum JD,Elder GA PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.jneumeth.2007.02.020">http://dx.doi.org/10.1016/j.jneumeth.2007.02.020</a>
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Species / Dilution	Summary
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	A-11122 was used in ChIP assay to determine how global nucleosome occupancy and organisation are maintained by Abo1, a conserved bromodomain AAA-ATPase
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	A-11122 was used in ChIP assay to determine leaf complexity and adaxial-abaxial patterning due to the asymmetric leaves complex
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Not Applicable / Not Cited	<p>PLoS genetics (Nov 2014; 10: null)</p> <p><b>"RNA processing factors Swd2.2 and Sen1 antagonize RNA Pol III-dependent transcription and the localization of condensin at Pol III genes."</b></p> <p>Author(s):Legros P,Malapert A,Niinuma S,Bernard P,Vanoosthuyse V</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.1004794">http://dx.doi.org/10.1371/journal.pgen.1004794</a></p>
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Not Applicable / Not Cited	<p>PLoS genetics (Sep 2014; 10: null)</p> <p><b>"Regulation of arabidopsis flowering by the histone mark readers MRG1/2 via interaction with CONSTANS to modulate FT expression."</b></p> <p>Author(s):Bu Z,Yu Y,Li Z,Liu Y,Jiang W,Huang Y,Dong AW</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.1004617">http://dx.doi.org/10.1371/journal.pgen.1004617</a></p>
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Not Applicable / Not Cited	<p>PLoS genetics (Jun 2014; 10: null)</p> <p><b>"CPF-associated phosphatase activity opposes condensin-mediated chromosome condensation."</b></p> <p>Author(s):Vanoosthuyse V,Legros P,van der Sar SJ,Yvert G,Toda K,Le Bihan T,Watanabe Y,Hardwick K,Bernard P</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.1004415">http://dx.doi.org/10.1371/journal.pgen.1004415</a></p>
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Not Applicable / Not Cited	<p>Genome biology (Mar 2014; 15: null)</p> <p><b>"Arabidopsis replacement histone variant H3.3 occupies promoters of regulated genes."</b></p> <p>Author(s):Shu H,Nakamura M,Siretskiy A,Borghi L,Moraes I,Wildhaber T,Gruissem W,Hennig L</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1186/gb-2014-15-4-r62">http://dx.doi.org/10.1186/gb-2014-15-4-r62</a></p>
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Not Applicable / Not Cited	<p>Molecular plant (Mar 2013; 6: 456)</p> <p><b>"BR signal influences Arabidopsis ovule and seed number through regulating related genes expression by BZR1."</b></p> <p>Author(s):Huang HY,Jiang WB,Hu YW,Wu P,Zhu JY,Liang WQ,Wang ZY,Lin WH</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1093/mp/sss070">http://dx.doi.org/10.1093/mp/sss070</a></p>
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Not Applicable / Not Cited	PloS one (Apr 2009; 4: null) <b>"The chromodomain of LIKE HETEROCHROMATIN PROTEIN 1 is essential for H3K27me3 binding and function during Arabidopsis development."</b> Author(s):Exner V,Aichinger E,Shu H,Wildhaber T,Alfarano P,Cafilisch A,Gruissem W,Köhler C,Hennig L PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0005335">http://dx.doi.org/10.1371/journal.pone.0005335</a>
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Not Applicable / Not Cited	<p>PLoS genetics (Jul 2007; 3: null)</p> <p><b>"Plasticity of fission yeast CENP-A chromatin driven by relative levels of histone H3 and H4."</b></p> <p>Author(s):Castillo AG,Mellone BG,Partridge JF,Richardson W,Hamilton GL,Allshire RC,Pidoux AL</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.0030121">http://dx.doi.org/10.1371/journal.pgen.0030121</a></p>
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Not Applicable / Not Cited	<p>Proceedings of the National Academy of Sciences of the United States of America (Dec 2005; 102: 18225)</p> <p><b>"A UV-B-specific signaling component orchestrates plant UV protection."</b></p> <p>Author(s):Brown BA,Cloix C,Jiang GH,Kaiserli E,Herzyk P,Kliebenstein DJ,Jenkins GI</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1073/pnas.0507187102">http://dx.doi.org/10.1073/pnas.0507187102</a></p>
<b>2 Flow Cytometry References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
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Not Applicable / Not Cited	<p>Nature (Dec 2013; 504: 277)</p> <p><b>"Distinct fibroblast lineages determine dermal architecture in skin development and repair."</b></p> <p>Author(s):Driskell RR,Lichtenberger BM,Hoste E,Kretschmar K,Simons BD,Charalambous M,Ferron SR,Herault Y,Pavlovic G,Ferguson-Smith AC,Watt FM</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nature12783">http://dx.doi.org/10.1038/nature12783</a></p>
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Not Applicable / Not Cited	<p>PLoS genetics (Sep 2008; 4: null)</p> <p><b>"Heterokaryon-based reprogramming of human B lymphocytes for pluripotency requires Oct4 but not Sox2."</b></p> <p>Author(s):Pereira CF,Terranova R,Ryan NK,Santos J,Morris KJ,Cui W,Merkenschlager M,Fisher AG</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1371/journal.pgen.1000170">http://dx.doi.org/10.1371/journal.pgen.1000170</a></p>
<b>1 ELISA References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	A-11122 was used in ELISA to report that M(3) muscarinic acetylcholine receptors form inactive-state complexes with G(q) heterotrimers in intact cells
Not Applicable / 1:200	<p>Nature chemical biology (Aug 2011; 7: 740)</p> <p><b>"Inactive-state preassembly of G(q)-coupled receptors and G(q) heterotrimers."</b></p> <p>Author(s):Qin K,Dong C,Wu G,Lambert NA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/nchembio.642">http://dx.doi.org/10.1038/nchembio.642</a></p>
<b>1 Immunofluorescence References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	A-11122 was used in proximity ligation assay and western blot to explore the contribution of mammary-derived growth inhibitor to breast cancer invasion
Not Applicable / Not Cited	<p>Oncogene (Dec 2010; 29: 6452)</p> <p><b>"Mammary-derived growth inhibitor (MDGI) interacts with integrin <math>\alpha</math>-subunits and suppresses integrin activity and invasion."</b></p> <p>Author(s):Nevo J,Mai A,Tuomi S,Pellinen T,Pentikäinen OT,Heikkilä P,Lundin J,Joensuu H,Bono P,Ivaska J</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1038/onc.2010.376">http://dx.doi.org/10.1038/onc.2010.376</a></p>
<b>1 Blocking Assay References</b>	
<b>Species / Dilution</b>	<b>Summary</b>
	A-11122 was used in blocking or activating experiment to assess the stability of alpha(2A)-adrenoreceptors and G protein complexes
Not Applicable / 1:200	<p>FASEB journal : official publication of the Federation of American Societies for Experimental Biology (Aug 2008; 22: 2920)</p> <p><b>"Abundance and stability of complexes containing inactive G protein-coupled receptors and G proteins."</b></p> <p>Author(s):Qin K,Sethi PR,Lambert NA</p> <p>PubMed Article URL:<a href="http://dx.doi.org/10.1096/fj.08-105775">http://dx.doi.org/10.1096/fj.08-105775</a></p>

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