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Phospho-Tau (Thr212, Ser214) Monoclonal Antibody (AT100)

Catalog Number MN1060

Product data sheet

Details	
Size	100 ug
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	AT100
Immunogen	Purified human Tau
Conjugate	Unconjugated
Form	Liquid
Concentration	0.2 mg/ml
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles

Species Reactivity	
Tested species reactivity	Human
Published species reactivity	Rat, Fruit fly, Hamster, Human, Mouse, Chicken, Not Applicable

Tested Applications	Dilution *
ELISA (ELISA)	Assay Dependent
Immunohistochemistry (IHC)	Assay Dependent
Western Blot (WB)	Assay Dependent

Published Applications	
Western Blot (WB)	See 41 publications below
Miscellaneous PubMed (MISC)	See 5 publications below
Immunohistochemistry (Paraffin) (IHC (P))	See 7 publications below
Immunohistochemistry (IHC)	See 27 publications below
Immunocytochemistry (ICC)	See 7 publications below
ELISA (ELISA)	See 1 publications below
Immunohistochemistry - Free Floating (IHC (Free))	See 2 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.

Product specific information

MN1060 targets PHF-tau (Thr212/Ser214) in ELISA, IHC, and WB applications and shows reactivity with Human samples.

The MN1060 immunogen is purified human Tau.

MN1060 detects PHF-tau (Thr212/Ser214) which has a predicted molecular weight of approximately 79 kDa.

This product is a Low Endotoxin formulation.

Background/Target Information

Paired helical filament (PHF) is a major component of the neurofibrillary tangles involved in the pathology of Alzheimer and quote;s disease. PHFs are composed of the microtubule-associated protein tau in a hyper-phosphorylated state (ref1). Tau protein is produced by a single gene expressed predominantly in neurons. The Tau gene undergoes complex alternative splicing, yielding six different isoforms of tau in the adult brain. Following translation, the tau protein can be further modified by phosphorylation at several different sites

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PubMed References For Phospho-Tau (Thr212, Ser214) Monoclonal Antibody (AT100)

41 Western Blot References

Species / Dilution	Summary
Not Applicable / Not Cited	MN1060 was used in western blot to study the Alzheimer's disease brain for a decrease in HNK-1 carrier glycoproteins Molecular neurobiology (Jan 2017; 54: 188) **"HNK-1 Carrier Glycoproteins Are Decreased in the Alzheimer's Disease Brain."** Author(s):García-Ayllón MS,Botella-López A,Cuchillo-Ibañez I,Rábano A,Andreasen N,Blennow K,Ávila J,Sáez-Valero J PubMed Article URL:http://dx.doi.org/10.1007/s12035-015-9644-x
Not Applicable / 1:1000	MN1060 was used in western blot to characterize the seeding of tau protein aggregation in a threshold-dependent manner via extracellular vesicles isolated from the brains of rTg4510 mice The Journal of biological chemistry (Jun 2016; 291: 12445) **"Extracellular Vesicles Isolated from the Brains of rTg4510 Mice Seed Tau Protein Aggregation in a Threshold-dependent Manner."** Author(s):Polanco JC,Scicluna BJ,Hill AF,Götz J PubMed Article URL:http://dx.doi.org/10.1074/jbc.M115.709485
Not Applicable / 1:1000	MN1060 was used in western blot to elucidate modification microglial phenotype and neuroprotection in P301S tau transgenic mice via TREM2 Neuropharmacology (Jun 2016; 105: 196) **"TREM2 modifies microglial phenotype and provides neuroprotection in P301S tau transgenic mice."** Author(s):Jiang T,Zhang YD,Chen Q,Gao Q,Zhu XC,Zhou JS,Shi JQ,Lu H,Tan L,Yu JT PubMed Article URL:http://dx.doi.org/10.1016/j.neuropharm.2016.01.028
Not Applicable / 1:2000	MN1060 was used in western blot to elucidate the exacerbation of human Tau neurotoxicity in vivo by acetylation mimic of lysine 280 Scientific reports (Mar 2016; 6: null) **"Acetylation mimic of lysine 280 exacerbates human Tau neurotoxicity in vivo."** Author(s):Gorsky MK,Burnouf S,Dols J,Mandelkow E,Partridge L PubMed Article URL:http://dx.doi.org/10.1038/srep22685
Not Applicable / Not Cited	MN1060 was used in western blot to characterize Alzheimer's disease-related tau pathology by HS3ST2 expression in critical for the abonormal phosphorylation of tau Brain : a journal of neurology (May 2015; 138: 1339) **"HS3ST2 expression is critical for the abnormal phosphorylation of tau in Alzheimer's disease-related tau pathology. "** Author(s):Sepulveda-Diaz JE,Alavi Naini SM,Huynh MB,Ouidja MO,Yanicostas C,Chantepie S,Villares J,Lamari F,Jospin E,van Kuppevelt TH,Mensah-Nyagan AG,Raisman-Vozari R,Soussi-Yanicostas N,Papy-Garcia D PubMed Article URL:http://dx.doi.org/10.1093/brain/awv056
Mouse / Not Cited	MN1060 was used in western blot to use a mouse thiamine deficiency model to assess the contribution of PKR in neuronal death. Cell death and disease (Jan 2015; 6: null) **"PKR downregulation prevents neurodegeneration and ß-amyloid production in a thiamine-deficient model."** Author(s):Mouton-Liger F,Rebillat AS,Gourmaud S,Paquet C,Leguen A,Dumurgier J,Bernadelli P,Taupin V,Pradier L,Rooney T,Hugon J PubMed Article URL:http://dx.doi.org/10.1038/cddis.2014.552
Human / Not Cited	MN1060 was used in western blot to assess the effect of aging on brain lipoxin A4 levels using non-transgenic and 3xTg-AD mice. Journal of Alzheimer's disease : JAD (Dec 2014; 43: 893) **"Restoration of lipoxin A4 signaling reduces Alzheimer's disease-like pathology in the 3xTg-AD mouse model."** Author(s):Dunn HC,Ager RR,Baglietto-Vargas D,Cheng D,Kitazawa M,Cribbs DH,Medeiros R PubMed Article URL:http://dx.doi.org/10.3233/JAD-141335

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	MN1060 was used in immunohistochemistry - frozen section and western blot to determine whether there is a pathogenic interaction of the environmental toxin piericidin A from streptomyces spp. and the P301S mutation
Mouse / 1:1000	PloS one (Dec 2014; 9: null) **"Piericidin A aggravates Tau pathology in P301S transgenic mice."** Author(s):Höllerhage M,Deck R,De Andrade A,Respondek G,Xu H,Rösler TW,Salama M,Carlsson T,Yamada ES,Gad El Hak SA,Goedert M,Oertel WH,Höglinger GU PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0113557
	MN1060 was used in immunohistochemistry - paraffin section and western blot to evaluate motor function and tau pathology of P301S tau transgenic mice
Not Applicable / 1:1000	Molecular neurodegeneration (Nov 2014; 9: null) **"Long-term treadmill exercise attenuates tau pathology in P301S tau transgenic mice."** Author(s):Ohia-Nwoko O,Montazari S,Lau YS,Eriksen JL PubMed Article URL:http://dx.doi.org/10.1186/1750-1326-9-54
	MN1060 was used in western blot to use triple transgenic Alzhemier's mice to study short- and long-term CDK5 knockdown and prevention of spatial memory dysfunction and tau pathology
Not Applicable / Not Cited	Frontiers in aging neuroscience (Oct 2014; 6: null) **"Long- and short-term CDK5 knockdown prevents spatial memory dysfunction and tau pathology of triple transgenic Alzheimer's mice."** Author(s):Castro-Alvarez JF,Uribe-Arias SA,Kosik KS,Cardona-Gómez GP PubMed Article URL:http://dx.doi.org/10.3389/fnagi.2014.00243
	MN1060 was used in western blot to study the ability of the rapamycin analog temsirolimus to promote autophagic clearance of hyperphosphorylated tau and improve memory deficits in animal models
Human / 1:1000	Neuropharmacology (Oct 2014; 85: 121) **"Temsirolimus attenuates tauopathy in vitro and in vivo by targeting tau hyperphosphorylation and autophagic clearance."** Author(s):Jiang T,Yu JT,Zhu XC,Zhang QQ,Cao L,Wang HF,Tan MS,Gao Q,Qin H,Zhang YD,Tan L PubMed Article URL:http://dx.doi.org/10.1016/j.neuropharm.2014.05.032
	MN1060 was used in western blot to study protection of transgenic P301S mice against tau aggregation in Alzheimer's disease by doubly phosphorylated peptied vaccines
Not Applicable / Not Cited	Vaccines (Jul 2014; 2: 601) **"Doubly Phosphorylated Peptide Vaccines to Protect Transgenic P301S Mice against Alzheimer's Disease Like Tau Aggregation."** Author(s):Richter M,Mewes A,Fritsch M,Krügel U,Hoffmann R,Singer D PubMed Article URL:http://dx.doi.org/10.3390/vaccines2030601
	MN1060 was used in western blot to study the cognitive defects observed in type 1 diabetes and the role of tau in mediating these effects
Mouse / 1:1000	The American journal of pathology (Mar 2014; 184: 819) **"Genetic ablation of tau mitigates cognitive impairment induced by type 1 diabetes."** Author(s):Abbondante S,Baglietto-Vargas D,Rodriguez-Ortiz CJ,Estrada-Hernandez T,Medeiros R,Laferla FM PubMed Article URL:http://dx.doi.org/10.1016/j.ajpath.2013.11.021
	MN1060 was used in western blot to study the effect of endogenous murine tau on cognition and neurofibrillary tangles in a murine Alzheimer's disease model transgenically expressing human tau
Human / 1:1000	Neurobiology of disease (Feb 2014; 62: 407) **"Endogenous murine tau promotes neurofibrillary tangles in 3xTg-AD mice without affecting cognition."** Author(s):Baglietto-Vargas D,Kitazawa M,Le EJ,Estrada-Hernandez T,Rodriguez-Ortiz CJ,Medeiros R,Green KN,LaFerla FM PubMed Article URL:http://dx.doi.org/10.1016/j.nbd.2013.10.019
	MN1060 was used in western blot to study the role of PKC activation in the mechanism underyling the beneficial effects of yessotoxin on tau and Abeta pathology in a cellular model of Alzheimer's disease
Mouse / 1:1000	ACS chemical neuroscience (Jul 2013; 4: 1062) **"Translocation of PKC by yessotoxin in an in vitro model of Alzheimer's disease with improvement of tau and ß-amyloid pathology."** Author(s):Alonso E,Vale C,Vieytes MR,Botana LM PubMed Article URL:http://dx.doi.org/10.1021/cn400018y

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Human / 1:1000	MN1060 was used in immunohistochemistry and western blot to study the slow and progressive neurodegeneration induced in rat brain by lentiviral-mediated transduction with wild-type human tau Molecular therapy : the journal of the American Society of Gene Therapy (Jul 2013; 21: 1358) **"Lentiviral delivery of the human wild-type tau protein mediates a slow and progressive neurodegenerative tau pathology in the rat brain."** Author(s):Caillierez R,Bégard S,Lécolle K,Deramecourt V,Zommer N,Dujardin S,Loyens A,Dufour N,Aurégan G,Winderickx J, Hantraye P,Déglon N,Buée L,Colin M PubMed Article URL:http://dx.doi.org/10.1038/mt.2013.66
Not Applicable / Not Cited	MN1060 was used in western blot to study the effects of diet-induced obesity on tau pathology Diabetes (May 2013; 62: 1681) **"Detrimental effects of diet-induced obesity on ¿ pathology are independent of insulin resistance in ¿ transgenic mice."** Author(s):Leboucher A,Laurent C,Fernandez-Gomez FJ,Burnouf S,Troquier L,Eddarkaoui S,Demeyer D,Caillierez R,Zommer N,Vallez E,Bantubungi K,Breton C,Pigny P,Buée-Scherrer V,Staels B,Hamdane M,Tailleux A,Buée L,Blum D PubMed Article URL:http://dx.doi.org/10.2337/db12-0866
Human / Not Cited	MN1060 was used in western blot to study the ability of PINCH in bind and stabilize hyperphoshorylated tau PloS one (Apr 2013; 8: null) **"PINCH in the cellular stress response to tau-hyperphosphorylation."** Author(s):Ozdemir AY,Rom I,Kovalevich J,Yen W,Adiga R,Dave RS,Langford D PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0058232
Mouse / 1:2000	MN1060 was used in western blot to study the ability of phospholipid transfer protein to protect against beta-amyloid peptide-induced memory deficit and the potential involvement of vitamin E transport Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology (Apr 2013; 38: 817) **"Increased amyloid-ß peptide-induced memory deficits in phospholipid transfer protein (PLTP) gene knockout mice."** Author(s):Desrumaux C,Pisoni A,Meunier J,Deckert V,Athias A,Perrier V,Villard V,Lagrost L,Verdier JM,Maurice T PubMed Article URL:http://dx.doi.org/10.1038/npp.2012.247
Mouse / 1:500	MN1060 was used in western blot to study the effects of p73 haploinsufficiency on tau phosphorylation status and the activity of GSK3-beta, c-Abl and Cdk5 in murine models of ageing and Alzheimer's disease Neurobiology of aging (Feb 2013; 34: 387) **"p73 haploinsufficiency causes tau hyperphosphorylation and tau kinase dysregulation in mouse models of aging and Alzheimer's disease."** Author(s):Cancino GI,Miller FD,Kaplan DR PubMed Article URL:http://dx.doi.org/10.1016/j.neurobiolaging.2012.04.010
Rat / 1:3000	MN1060 was used in western blot to study the ability of a single intracerebroventricular injection of soluble oligomers of a beta-amyloid fragment to induce Alzhiemers's disease pathology in a rat model PloS one (Jan 2013; 8: null) **"Alzheimer's disease related markers, cellular toxicity and behavioral deficits induced six weeks after oligomeric amyloid-ß peptide injection in rats."** Author(s):Zussy C,Brureau A,Keller E,Marchal S,Blayo C,Delair B,Ixart G,Maurice T,Givalois L PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0053117
Rat / 1:1000	MN1060 was used in western blot to study tau phosphorylation in response to early post-natal exposure to lead Acta biologica Hungarica (Dec 2012; 63: 411) **"Early postnatal lead exposure induces tau phosphorylation in the brain of young rats."** Author(s):Rahman A,Khan KM,Al-Khaledi G,Khan I,Attur S PubMed Article URL:http://dx.doi.org/10.1556/ABiol.63.2012.4.1
Not Applicable / 1:1000	MN1060 was used in western blot to test if hypothermia could be used to assess tau kinase inhibitors efficacy Scientific reports (Jul 2012; 2: null) **"Hypothermia-induced hyperphosphorylation: a new model to study tau kinase inhibitors."** Author(s):Bretteville A,Marcouiller F,Julien C,El Khoury NB,Petry FR,Poitras I,Mouginot D,Lévesque G,Hébert SS,Planel E PubMed Article URL:http://dx.doi.org/10.1038/srep00480

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	MN1060 was used in western blot to study the role of systemic immune challenges in triggering and driving Alzheimer-like neuropathology in mice
Mouse / 1:1000	Journal of neuroinflammation (Jul 2012; 9: null) **"Systemic immune challenges trigger and drive Alzheimer-like neuropathology in mice."** Author(s):Krstic D,Madhusudan A,Doehner J,Vogel P,Notter T,Imhof C,Manalastas A,Hilfiker M,Pfister S,Schwerdel C,Riether C,Meyer U,Knuesel I PubMed Article URL:http://dx.doi.org/10.1186/1742-2094-9-151
	MN1060 was used in western blot to study the role of hippocampal PP1 and PP2A activation in the deleterious effects of lead on learning and memory in a rat model
Rat / 1:1000	Neurotoxicology (Jun 2012; 33: 370) **"Over activation of hippocampal serine/threonine protein phosphatases PP1 and PP2A is involved in lead-induced deficits in learning and memory in young rats."** Author(s):Rahman A,Khan KM,Al-Khaledi G,Khan I,Al-Shemary T PubMed Article URL:http://dx.doi.org/10.1016/j.neuro.2012.02.014
	MN1060 was used in western blot to investigate the important roles of LRRK2 in phosphorylation-mediated dissociation of tau from microtubules
Human / Not Cited	PloS one (Feb 2012; 7: null) **"LRRK2 phosphorylates tubulin-associated tau but not the free molecule: LRRK2-mediated regulation of the tau-tubulin association and neurite outgrowth."** Author(s):Kawakami F,Yabata T,Ohta E,Maekawa T,Shimada N,Suzuki M,Maruyama H,Ichikawa T,Obata F PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0030834
	MN1060 was used in western blot to investigate the effect of 13-desmethyl spirolide-C on both tau and beta-amyloid peptide
Human / 1:1000	Neurochemistry international (Dec 2011; 59: 1056) **"13-Desmethyl spirolide-C is neuroprotective and reduces intracellular Aß and hyperphosphorylated tau in vitro."** Author(s):Alonso E,Vale C,Vieytes MR,Laferla FM,Giménez-Llort L,Botana LM PubMed Article URL:http://dx.doi.org/10.1016/j.neuint.2011.08.013
	MN1060 was used in western blot to investigate the effect of traumatic brain injury on the development of Alzheimer disease pathology
Human / 1:1000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Jun 2011; 31: 9513) **"Controlled cortical impact traumatic brain injury in 3xTg-AD mice causes acute intra-axonal amyloid-ß accumulation and independently accelerates the development of tau abnormalities."** Author(s):Tran HT,LaFerla FM,Holtzman DM,Brody DL PubMed Article URL:http://dx.doi.org/10.1523/JNEUROSCI.0858-11.2011
	MN1060 was used in western blot to investigate the phosphorylation and aggregation of tau protein in the 3xTg-AD mice
Mouse / 1:1,000	Neuroscience letters (May 2011; 495: 55) **"Long term changes in phospho-APP and tau aggregation in the 3xTg-AD mice following cerebral ischemia."** Author(s):Koike MA,Garcia FG,Kitazawa M,Green KN,Laferla FM PubMed Article URL:http://dx.doi.org/10.1016/j.neulet.2011.03.034
	MN1060 was used in western blot to study the physiological link between metabolic rate depression and tau phosphorylation in mammalian hibernation
Hamster / 1:500	PloS one (Jan 2011; 6: null) **"The physiological link between metabolic rate depression and tau phosphorylation in mammalian hibernation."** Author(s):Stieler JT,Bullmann T,Kohl F,Tøien Ø,Brückner MK,Härtig W,Barnes BM,Arendt T PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0014530
	MN1060 was used in western blot to investigate the effect of oligemic hypoperfusion on tau and amyloid-beta in 3xTg-Alzheimer disease mice
Human / 1:1000	The American journal of pathology (Jul 2010; 177: 300) **"Oligemic hypoperfusion differentially affects tau and amyloid-{beta}."** Author(s):Koike MA,Green KN,Blurton-Jones M,Laferla FM PubMed Article URL:http://dx.doi.org/10.2353/ajpath.2010.090750

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Human / 1:1000	Journal of neural transmission (Vienna, Austria : 1996) (Oct 2009; 116: 1243) **"Phosphorylation of soluble tau differs in Pick's disease and Alzheimer's disease brains."** Author(s):van Eersel J,Bi M,Ke YD,Hodges JR,Xuereb JH,Gregory GC,Halliday GM,Götz J,Kril JJ,Ittner LM PubMed Article URL:http://dx.doi.org/10.1007/s00702-009-0293-y
	MN1060 was used in western blot to study the interaction between phosphorylated Tau and c-Jun N-terminal kinase-interacting protein 1 in Alzheimer disease
Mouse / Not Cited	The Journal of biological chemistry (Jul 2009; 284: 20909) **"Phosphorylated Tau interacts with c-Jun N-terminal kinase-interacting protein 1 (JIP1) in Alzheimer disease."** Author(s):Ittner LM,Ke YD,Götz J PubMed Article URL:http://dx.doi.org/10.1074/jbc.M109.014472
	MN1060 was used in western blot to study the effect of quinolinic acid on tau phosphorylation in neurons
Human / Not Cited	PloS one (Jul 2009; 4: null) **"The excitotoxin quinolinic acid induces tau phosphorylation in human neurons."** Author(s):Rahman A,Ting K,Cullen KM,Braidy N,Brew BJ,Guillemin GJ PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0006344
	MN1060 was used in western blot to study the roles of GSK3 beta, MARK and Cdk5 in the relationship between tau toxicity and phosphorylation
Fruit fly / 1:2,000	Human molecular genetics (Jan 2009; 18: 164) **"Dissociation of tau toxicity and phosphorylation: role of GSK-3beta, MARK and Cdk5 in a Drosophila model."** Author(s):Chatterjee S,Sang TK,Lawless GM,Jackson GR PubMed Article URL:http://dx.doi.org/10.1093/hmg/ddn326
	MN1060 was used in western blot to study the mechanism for the neurodegeneration promoted by tau phosphorylation
Fruit fly / 1:100,000	Molecular biology of the cell (Dec 2007; 18: 5060) **"Tau phosphorylation sites work in concert to promote neurotoxicity in vivo."** Author(s):Steinhilb ML,Dias-Santagata D,Fulga TA,Felch DL,Feany MB PubMed Article URL:http://dx.doi.org/10.1091/mbc.E07-04-0327
	MN1060 was used in western blot to study the contribution of heat-shock protein 90 towards tauopathies
Rat / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (May 2007; 104: 9511) **"Roles of heat-shock protein 90 in maintaining and facilitating the neurodegenerative phenotype in tauopathies."** Author(s):Luo W,Dou F,Rodina A,Chip S,Kim J,Zhao Q,Moulick K,Aguirre J,Wu N,Greengard P,Chiosis G PubMed Article URL:http://dx.doi.org/10.1073/pnas.0701055104
	MN1060 was used in western blot to study the effect of docosahexaenoic acid and docosapentaenoic acid on amyloid beta and tau pathology
Human / 1:1,000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Apr 2007; 27: 4385) **"Dietary docosahexaenoic acid and docosapentaenoic acid ameliorate amyloid-beta and tau pathology via a mechanism involving presenilin 1 levels."** Author(s):Green KN,Martinez-Coria H,Khashwji H,Hall EB,Yurko-Mauro KA,Ellis L,LaFerla FM PubMed Article URL:http://dx.doi.org/10.1523/JNEUROSCI.0055-07.2007
	MN1060 was used in western blot to show that the differential phosphorylation and stability of Tau is cell-specific using transgenic mice
Not Applicable / 1:250	FEBS letters (Aug 2006; 580: 4602) **"Cell type-specific processing of human Tau proteins in Drosophila."** Author(s):Grammenoudi S,Kosmidis S,Skoulakis EM PubMed Article URL:http://dx.doi.org/10.1016/j.febslet.2006.07.045
	MN1060 was used in western blot to investigate the function of chicken brain tau
Chicken / 1:5,000-1:10,000	Biochemistry (Dec 2002; 41: 15203) **"Molecular cloning and functional characterization of chicken brain tau: isoforms with up to five tandem repeats."** Author(s):Yoshida H,Goedert M PubMed Article URL:http://dx.doi.org/null

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	MN1060 was used in western blot to study the mechanism for tau protein assembly
Mouse / Not Cited	Journal of neurochemistry (Dec 2002; 83: 1498) **"Assembly of tau in transgenic animals expressing P301L tau: alteration of phosphorylation and solubility."** Author(s):Sahara N,Lewis J,DeTure M,McGowan E,Dickson DW,Hutton M,Yen SH PubMed Article URL:http://dx.doi.org/null

5 Miscellaneous PubMed References

Species / Dilution	Summary
	MN1060 was used in immunohistochemistry - paraffin section to study the relationship between neurofibrillary tangles and raft domains
Human / 1:100	Neuropathology and applied neurobiology (Dec 2016; 42: 639) **"The identification of raft-derived tau-associated vesicles that are incorporated into immature tangles and paired helical filaments."** Author(s):Nishikawa T,Takahashi T,Nakamori M,Hosomi N,Maruyama H,Miyazaki Y,Izumi Y,Matsumoto M PubMed Article URL:http://dx.doi.org/10.1111/nan.12288
	MN1060 was used in western blot to test if short-term treadmill exercise changes tau modifications
Mouse / 1:200	Neuroscience letters (Jan 2016; 610: 207) **"Short-term treadmill exercise increased tau insolubility and neuroinflammation in tauopathy model mice."** Author(s):Elahi M,Motoi Y,Matsumoto SE,Hasan Z,Ishiguro K,Hattori N PubMed Article URL:http://dx.doi.org/10.1016/j.neulet.2015.11.010
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Human / 1 ug/ml	Acta neuropathologica (Nov 2015; 130: 619) **"Reducing tau aggregates with anle138b delays disease progression in a mouse model of tauopathies."** Author(s):Wagner J,Krauss S,Shi S,Ryazanov S,Steffen J,Miklitz C,Leonov A,Kleinknecht A,Göricke B,Weishaupt JH, Weckbecker D,Reiner AM,Zinth W,Levin J,Ehninger D,Remy S,Kretzschmar HA,Griesinger C,Giese A,Fuhrmann M PubMed Article URL:http://dx.doi.org/10.1007/s00401-015-1483-3
	MN1060 was used in immunohistochemistry - paraffin section to determine the therapeutic window to prevent the formation of Tau aggregates
Mouse / Not Cited	Neurobiology of disease (Oct 2015; 82: 540) **"Prefibrillar Tau oligomers alter the nucleic acid protective function of Tau in hippocampal neurons in vivo."** Author(s):Violet M,Chauderlier A,Delattre L,Tardivel M,Chouala MS,Sultan A,Marciniak E,Humez S,Binder L,Kayed R, Lefebvre B,Bonnefoy E,Buée L,Galas MC PubMed Article URL:http://dx.doi.org/10.1016/j.nbd.2015.09.003
	MN1060 was used in western blot to elucidate the neuroprotective mechanism of statins
Rat / 1:1000	Neuroscience (May 2015; 294: 14) **"Lovastatin suppresses the aberrant tau phosphorylation from FTDP-17 mutation and okadaic acid-induction in rat primary neurons."** Author(s):Li R,Xu DE,Ma T PubMed Article URL:http://dx.doi.org/10.1016/j.neuroscience.2015.03.005

7 Immunohistochemistry (Paraffin) References

Species / Dilution	Summary
	MN1060 was used in immunohistochemistry - paraffin section to elucidate a mouse model of frontotemporal dementia by decreased social exploration, impulsivity, and executive dysfunction
Not Applicable / 1:500	Neurobiology of learning and memory (Apr 2016; 130: 34) **"Impulsivity, decreased social exploration, and executive dysfunction in a mouse model of frontotemporal dementia. "** Author(s):Van der Jeugd A,Vermaercke B,Halliday GM,Staufenbiel M,Götz J PubMed Article URL:http://dx.doi.org/10.1016/j.nlm.2016.01.007

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	MN1060 was used in immunohistochemistry - paraffin section to characterize specific antifungal antibodies that stain corpora amylacea of brain tissue from neurodegenerative diseases
Not Applicable / Not Cited	Frontiers in neuroscience (Mar 2016; 10: null) **"Corpora Amylacea of Brain Tissue from Neurodegenerative Diseases Are Stained with Specific Antifungal Antibodies."** Author(s):Pisa D,Alonso R,Rábano A,Carrasco L PubMed Article URL:http://dx.doi.org/10.3389/fnins.2016.00086
Human / 1:200	MN1060 was used in immunohistochemistry - paraffin section to report a case of glial mixed tau and TDP-43 proteinopathies in a Japanese patient. Brain pathology (Zurich, Switzerland) (Jan 2016; 26: 82) **"Globular Glial Mixed Four Repeat Tau and TDP-43 Proteinopathy with Motor Neuron Disease and Frontotemporal Dementia."** Author(s):Takeuchi R,Toyoshima Y,Tada M,Tanaka H,Shimizu H,Shiga A,Miura T,Aoki K,Aikawa A,Ishizawa S,Ikeuchi T,Nishizawa M,Kakita A,Takahashi H PubMed Article URL:http://dx.doi.org/10.1111/bpa.12262
Not Applicable / 1:100	MN1060 was used in immunohistochemistry - paraffin section to study Alzheimer's disease by use of a domestic cat animal model Acta neuropathologica communications (Dec 2015; 3: null) **"The domestic cat as a natural animal model of Alzheimer's disease."** Author(s):Chambers JK,Tokuda T,Uchida K,Ishii R,Tatebe H,Takahashi E,Tomiyama T,Une Y,Nakayama H PubMed Article URL:http://dx.doi.org/10.1186/s40478-015-0258-3
Not Applicable / 1:50	MN1060 was used in immunohistochemistry - paraffin section to study Alzheimer's disease and different brain regions infected with fungi Scientific reports (Oct 2015; 5: null) **"Different Brain Regions are Infected with Fungi in Alzheimer's Disease."** Author(s):Pisa D,Alonso R,Rábano A,Rodal I,Carrasco L PubMed Article URL:http://dx.doi.org/10.1038/srep15015
Not Applicable / Not Cited	MN1060 was used in immunohistochemistry - paraffin section and western blot to determine the pathology in tau transgenic mice due to tau-targeting passive immunization Journal of neurochemistry (Jan 2015; 132: 135) **"Tau-targeting passive immunization modulates aspects of pathology in tau transgenic mice."** Author(s):Ittner A,Bertz J,Suh LS,Stevens CH,Götz J,Ittner LM PubMed Article URL:http://dx.doi.org/10.1111/jnc.12821
Not Applicable / 1:100	MN1060 was used in immunohistochemistry - paraffin section to identify and characterize Abeta deposits in the brains of Japanese Tsushima leopard cats PloS one (Oct 2012; 7: null) **"Neurofibrillary tangles and the deposition of a beta amyloid peptide with a novel N-terminal epitope in the brains of wild Tsushima leopard cats."** Author(s):Chambers JK,Uchida K,Harada T,Tsuboi M,Sato M,Kubo M,Kawaguchi H,Miyoshi N,Tsujimoto H,Nakayama H PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0046452

27 Immunohistochemistry References

Species / Dilution	Summary
Not Applicable / 1:10,000	MN1060 was used in immunohistochemistry to study the lack of impairment of hippocampal-dependent memory in hibernating golden hamsters by tau phosphorylation-associated spine regression Hippocampus (Mar 2016; 26: 301) **"Tau phosphorylation-associated spine regression does not impair hippocampal-dependent memory in hibernating golden hamsters."** Author(s):Bullmann T,Seeger G,Stieler J,Hanics J,Reimann K,Kretzschmann TP,Hilbrich I,Holzer M,Alpár A,Arendt T PubMed Article URL:http://dx.doi.org/10.1002/hipo.22522

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	MN1060 was used in immunohistochemistry to determine if tau phosphorylation contributes to spinal muscular atrophy pathogenesis
Mouse / 1:100	The Journal of neuroscience : the official journal of the Society for Neuroscience (Apr 2015; 35: 6038) **"Non-aggregating tau phosphorylation by cyclin-dependent kinase 5 contributes to motor neuron degeneration in spinal muscular atrophy."** Author(s):Miller N,Feng Z,Edens BM,Yang B,Shi H,Sze CC,Hong BT,Su SC,Cantu JA,Topczewski J,Crawford TO,Ko CP, Sumner CJ,Ma L,Ma YC PubMed Article URL:http://dx.doi.org/10.1523/JNEUROSCI.3716-14.2015
	MN1060 was used in immunohistochemistry to study the role of Tau phosphorylation in murine spermatogenesis during meiosis
Mouse / 1:50	FEBS letters (May 2014; 588: 2003) **"Site-specific phosphorylation of Tau protein is associated with deacetylation of microtubules in mouse spermatogenic cells during meiosis."** Author(s):Inoue H,Hiradate Y,Shirakata Y,Kanai K,Kosaka K,Gotoh A,Fukuda Y,Nakai Y,Uchida T,Sato E,Tanemura K PubMed Article URL:http://dx.doi.org/10.1016/j.febslet.2014.04.021
	MN1060 was used in immunohistochemistry and western blot to study the ability of an anti-oligomeric tau monoclonal antibody to specifically reduce oligomeric tau and improve memory and locomotion in a murine Alzheimer's disease model
Mouse / 1:1000	The Journal of neuroscience : the official journal of the Society for Neuroscience (Mar 2014; 34: 4260) **"Passive immunization with Tau oligomer monoclonal antibody reverses tauopathy phenotypes without affecting hyperphosphorylated neurofibrillary tangles."** Author(s):Castillo-Carranza DL,Sengupta U,Guerrero-Muñoz MJ,Lasagna-Reeves CA,Gerson JE,Singh G,Estes DM,Barrett AD,Dineley KT,Jackson GR,Kayed R PubMed Article URL:http://dx.doi.org/10.1523/JNEUROSCI.3192-13.2014
	MN1060 was used in immunohistochemistry to study the increased tau phosphorylation following treatment with a mitochondrial complex I inhibitor in a tau transgenic mouse model
Mouse / 1:100	Experimental neurology (Mar 2014; 253: 113) **"Annonacin, a natural lipophilic mitochondrial complex I inhibitor, increases phosphorylation of tau in the brain of FTDP-17 transgenic mice."** Author(s):Yamada ES,Respondek G,Müssner S,de Andrade A,Höllerhage M,Depienne C,Rastetter A,Tarze A,Friguet B, Salama M,Champy P,Oertel WH,Höglinger GU PubMed Article URL:http://dx.doi.org/10.1016/j.expneurol.2013.12.017
	MN1060 was used in immunohistochemistry to discuss the molecular and cellular mechanisms that contribute to disease progression in sporadic tauopathies such as argyrophilic grain disorder and progressive supranuclear palsy
Rat / 1:400	Acta neuropathologica communications (Jan 2014; 2: null) **"Neuron-to-neuron wild-type Tau protein transfer through a trans-synaptic mechanism: relevance to sporadic tauopathies."** Author(s):Dujardin S,Lécolle K,Caillierez R,Bégard S,Zommer N,Lachaud C,Carrier S,Dufour N,Aurégan G,Winderickx J, Hantraye P,Déglon N,Colin M,Buée L PubMed Article URL:http://dx.doi.org/10.1186/2051-5960-2-14
	MN1060 was used in immunohistochemistry to study the potential involvement of pre-fibrilliary tau in the defective plasticity of cortical dendritic spines observed in transgenic mice bearing the P301S tau mutation
Mouse / 1:200	Acta neuropathologica communications (Dec 2013; 1: null) **"Impaired plasticity of cortical dendritic spines in P301S tau transgenic mice."** Author(s):Hoffmann NA,Dorostkar MM,Blumenstock S,Goedert M,Herms J PubMed Article URL:http://dx.doi.org/10.1186/2051-5960-1-82
	MN1060 was used in immunohistochemistry to study reelin neuropathology in the hippocampus of aged individuals with or without Alzheimer's disease
Human / 1:1000	Acta neuropathologica communications (Jun 2013; 1: null) **"Reelin immunoreactivity in neuritic varicosities in the human hippocampal formation of non-demented subjects and Alzheimer's disease patients."** Author(s):Notter T,Knuesel I PubMed Article URL:http://dx.doi.org/10.1186/2051-5960-1-27

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	MN1060 was used in immunohistochemistry and western blot to study the protective effects of rapamycin against tau pathology in a murine transgenic model
Human / Not Cited	PloS one (May 2013; 8: null) **"Rapamycin attenuates the progression of tau pathology in P301S tau transgenic mice."** Author(s):Ozcelik S,Fraser G,Castets P,Schaeffer V,Skachokova Z,Breu K,Clavaguera F,Sinnreich M,Kappos L,Goedert M, Tolnay M,Winkler DT PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0062459
	MN1060 was used in immunohistochemistry to develop novel luminescent congugated thiophenes for use as amyloid ligands to detect disease-associated protein inclusion bodies
Human / 1:100	Chembiochem : a European journal of chemical biology (Mar 2013; 14: 607) **"Luminescent conjugated oligothiophenes for sensitive fluorescent assignment of protein inclusion bodies."** Author(s):Klingstedt T,Blechschmidt C,Nogalska A,Prokop S,Häggqvist B,Danielsson O,Engel WK,Askanas V,Heppner FL, Nilsson KP PubMed Article URL:http://dx.doi.org/10.1002/cbic.201200731
	MN1060 was used in immunohistochemistry to study the effect of transgenic expression of a dementia-causing BRI2 mutant on tau metabolism and synaptophysin expression
Mouse / Not Cited	PloS one (Feb 2013; 8: null) **"Increased tau phosphorylation and tau truncation, and decreased synaptophysin levels in mutant BRI2/tau transgenic mice."** Author(s):Garringer HJ,Murrell J,Sammeta N,Gnezda A,Ghetti B,Vidal R PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0056426
	MN1060 was used in immunohistochemistry to study the role of impaired NMDA receptor function in the blunted effect of BDNF on synaptic enhancement in a model of tau pathology
Mouse / 1:1000	Aging cell (Feb 2013; 12: 11) **"NMDA receptor dysfunction contributes to impaired brain-derived neurotrophic factor-induced facilitation of hippocampal synaptic transmission in a Tau transgenic model."** Author(s):Burnouf S,Martire A,Derisbourg M,Laurent C,Belarbi K,Leboucher A,Fernandez-Gomez FJ,Troquier L,Eddarkaoui S, Grosjean ME,Demeyer D,Muhr-Tailleux A,Buisson A,Sergeant N,Hamdane M,Humez S,Popoli P,Buée L,Blum D PubMed Article URL:http://dx.doi.org/10.1111/acel.12018
	MN1060 was used in immunohistochemistry to study the role of the RNA-binding motif 45 protein in the inclusion body pathology of ALS, FTLD-TDP and Alzheimer's patients
Human / 1:100	Acta neuropathologica (Nov 2012; 124: 717) **"The RNA-binding motif 45 (RBM45) protein accumulates in inclusion bodies in amyotrophic lateral sclerosis (ALS) and frontotemporal lobar degeneration with TDP-43 inclusions (FTLD-TDP) patients."** Author(s):Collins M,Riascos D,Kovalik T,An J,Krupa K,Krupa K,Hood BL,Conrads TP,Renton AE,Traynor BJ,Bowser R PubMed Article URL:http://dx.doi.org/10.1007/s00401-012-1045-x
	MN1060 was used in immunohistochemistry to study the role of the phospho-Tau pathway in the mechanism by which deficient macroautophagy promotes age-related neurodegeneration
Mouse / Not Cited	Molecular neurodegeneration (Sep 2012; 7: null) **"Macroautophagy deficiency mediates age-dependent neurodegeneration through a phospho-tau pathway."** Author(s):Inoue K,Rispoli J,Kaphzan H,Klann E,Chen EI,Kim J,Komatsu M,Abeliovich A PubMed Article URL:http://dx.doi.org/10.1186/1750-1326-7-48
	MN1060 was used in immunohistochemistry to study the clinical and molecular characteristics of a novel P332S tau mutation
Human / 1:400	Journal of Alzheimer's disease : JAD (Sep 2012; 31: 741) **"Clinical, neuropathological, and biochemical characterization of the novel tau mutation P332S."** Author(s):Deramecourt V,Lebert F,Maurage CA,Fernandez-Gomez FJ,Dujardin S,Colin M,Sergeant N,Buée-Scherrer V,Clot F ,Ber IL,Brice A,Pasquier F,Buée L PubMed Article URL:http://dx.doi.org/10.3233/JAD-2012-120160
	MN1060 was used in immunohistochemistry to study the effect of transgenic expression of a mutant presenilin on amyloid deposition in mice expressing human APP
Mouse / Not Cited	FASEB journal : official publication of the Federation of American Societies for Experimental Biology (Jul 2012; 26: 2899) **"The Psen1-L166P-knock-in mutation leads to amyloid deposition in human wild-type amyloid precursor protein YAC transgenic mice."** Author(s):Vidal R,Sammeta N,Garringer HJ,Sambamurti K,Miravalle L,Lamb BT,Ghetti B PubMed Article URL:http://dx.doi.org/10.1096/fj.12-205542

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	MN1060 was used in immunohistochemistry to study the therapeutic efficacy of active immunization with a phospho-serine 422 Tau peptide in a murine transgenic Tau model
Mouse / 1:400	Current Alzheimer research (May 2012; 9: 397) **"Targeting phospho-Ser422 by active Tau Immunotherapy in the THYTau22 mouse model: a suitable therapeutic approach."** Author(s):Troquier L,Caillierez R,Burnouf S,Fernandez-Gomez FJ,Grosjean ME,Zommer N,Sergeant N,Schraen-Maschke S, Blum D,Buee L PubMed Article URL:http://dx.doi.org/null
	MN1060 was used in immunohistochemistry to investigate the unfolded protein response in the hippocampus of tauopathies.
Mouse / 1:6400	The Journal of pathology (Apr 2012; 226: 693) **"The unfolded protein response is associated with early tau pathology in the hippocampus of tauopathies."** Author(s):Nijholt DA,van Haastert ES,Rozemuller AJ,Scheper W,Hoozemans JJ PubMed Article URL:http://dx.doi.org/10.1002/path.3969
	MN1060 was used in immunohistochemistry to study defects in the medial entorhinal cortex and dentate gyrus in a mouse model of Sanfilippo syndrome type B
Mouse / Not Cited	PloS one (Nov 2011; 6: null) **"Defects in the medial entorhinal cortex and dentate gyrus in the mouse model of Sanfilippo syndrome type B."** Author(s):Ohmi K,Zhao HZ,Neufeld EF PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0027461
	MN1060 was used in immunohistochemistry to investigate the role of alpha-syn in the development of neurodegenerative diseases
Mouse / Not Cited	The Journal of biological chemistry (Oct 2011; 286: 35104) **"E46K human alpha-synuclein transgenic mice develop Lewy-like and tau pathology associated with age-dependent, detrimental motor impairment."** Author(s):Emmer KL,Waxman EA,Covy JP,Giasson BI PubMed Article URL:http://dx.doi.org/10.1074/jbc.M111.247965
	MN1060 was used in immunohistochemistry to investigate the influence of long-term voluntary exercise on a transgenic mouse model of Tau pathology
Human / 1:400	Neurobiology of disease (Aug 2011; 43: 486) **"Beneficial effects of exercise in a transgenic mouse model of Alzheimer's disease-like Tau pathology."** Author(s):Belarbi K,Burnouf S,Fernandez-Gomez FJ,Laurent C,Lestavel S,Figeac M,Sultan A,Troquier L,Leboucher A, Caillierez R,Grosjean ME,Demeyer D,Obriot H,Brion I,Barbot B,Galas MC,Staels B,Humez S,Sergeant N,Schraen-Maschke S ,Muhr-Tailleux A,Hamdane M,Buée L,Blum D PubMed Article URL:http://dx.doi.org/10.1016/j.nbd.2011.04.022
	MN1060 was used in immunohistochemistry to investigate the effect of puromycin-sensitive aminopeptidase on the neuropathology in a transgenic Alzheimer disease mice model
Mouse / 1:200	Human molecular genetics (May 2011; 20: 1820) **"Puromycin-sensitive aminopeptidase (PSA/NPEPPS) impedes development of neuropathology in hPSA/TAU(P301L) double-transgenic mice."** Author(s):Kudo LC,Parfenova L,Ren G,Vi N,Hui M,Ma Z,Lau K,Gray M,Bardag-Gorce F,Wiedau-Pazos M,Hui KS,Karsten SL PubMed Article URL:http://dx.doi.org/10.1093/hmg/ddr065
	MN1060 was used in immunohistochemistry to investigate the role of complement activation pathways in Alzheimer disease
Mouse / 0.02 ug/mL	Journal of neuroinflammation (Jan 2011; 8: null) **"Contribution of complement activation pathways to neuropathology differs among mouse models of Alzheimer's disease."** Author(s):Fonseca MI,Chu SH,Berci AM,Benoit ME,Peters DG,Kimura Y,Tenner AJ PubMed Article URL:http://dx.doi.org/10.1186/1742-2094-8-4
	MN1060 was used in immunohistochemistry to investigate the protein accumulation in neurons of SCA3 patients
Human / 1:3,000	Acta neuropathologica (Oct 2010; 120: 449) **"Axonal inclusions in spinocerebellar ataxia type 3."** Author(s):Seidel K,den Dunnen WF,Schultz C,Paulson H,Frank S,de Vos RA,Brunt ER,Deller T,Kampinga HH,Rüb U PubMed Article URL:http://dx.doi.org/10.1007/s00401-010-0717-7

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	MN1060 was used in immunohistochemistry to investigate the dysregulation of gene expression and tau phosphorylation in MPS III B mice
Mouse / Not Cited	Proceedings of the National Academy of Sciences of the United States of America (May 2009; 106: 8332) **"Sanfilippo syndrome type B, a lysosomal storage disease, is also a tauopathy."** Author(s):Ohmi K,Kudo LC,Ryazantsev S,Zhao HZ,Karsten SL,Neufeld EF PubMed Article URL:http://dx.doi.org/10.1073/pnas.0903223106
Mouse / 1:10	MN1060 was used in immunohistochemistry to evaluate intranasal and ocular nerve growth factor administration in mice
	Journal of Alzheimer's disease : JAD (Feb 2009; 16: 371) **"Delivery of NGF to the brain: intranasal versus ocular administration in anti-NGF transgenic mice."** Author(s):Capsoni S,Covaceuszach S,Ugolini G,Spirito F,Vignone D,Stefanini B,Amato G,Cattaneo A PubMed Article URL:http://dx.doi.org/10.3233/JAD-2009-0953
Not Applicable / Not Cited	MN1060 was used in immunohistochemistry and western blot to suggest Wnt-activation occurs prior to 3 months of age in the JNPL3 mouse model of frontotemporal dementia
	Neurobiology of aging (Jan 2009; 30: 14) **"Wnt-pathway activation during the early stage of neurodegeneration in FTDP-17 mice."** Author(s):Wiedau-Pazos M,Wong E,Solomon E,Alarcon M,Geschwind DH PubMed Article URL:http://dx.doi.org/10.1016/j.neurobiolaging.2007.05.015

7 Immunocytochemistry References

Species / Dilution	Summary
Not Applicable / 1:1000	MN1060 was used in immunocytochemistry to characterize live neurons cultured from adult P301S tau mice by use of the fluorescent pentameric oligothiophene pFTAA that identifies filamentous tau
	Frontiers in neuroscience (Jun 2015; 9: null) **"The fluorescent pentameric oligothiophene pFTAA identifies filamentous tau in live neurons cultured from adult P301S tau mice."** Author(s):Brelstaff J,Ossola B,Neher JJ,Klingstedt T,Nilsson KP,Goedert M,Spillantini MG,Tolkovsky AM PubMed Article URL:http://dx.doi.org/10.3389/fnins.2015.00184
Not Applicable / Not Cited	MN1060 was used in immunocytochemistry to report that expression of human wild-type tau is sufficient to disrupt the survival of dopaminergic neurons in a Drosophila model
	Acta neuropathologica (May 2013; 125: 711) **"Loss of vesicular dopamine release precedes tauopathy in degenerative dopaminergic neurons in a Drosophila model expressing human tau."** Author(s):Wu TH,Lu YN,Chuang CL,Wu CL,Chiang AS,Krantz DE,Chang HY PubMed Article URL:http://dx.doi.org/10.1007/s00401-013-1105-x
Human / 1:100	MN1060 was used in immunocytochemistry to study the role of NMDA receptor-dependent tau phosphorylation in modulating the interaction of endogenous tau with synaptic proteins
	The Journal of biological chemistry (Sep 2012; 287: 32040) **"Interaction of endogenous tau protein with synaptic proteins is regulated by N-methyl-D-aspartate receptor-dependent tau phosphorylation."** Author(s):Mondragón-Rodríguez S,Trillaud-Doppia E,Dudilot A,Bourgeois C,Lauzon M,Leclerc N,Boehm J PubMed Article URL:http://dx.doi.org/10.1074/jbc.M112.401240
Rat / 1:10	MN1060 was used in immunocytochemistry to investigate the effect of tau dephosphorylation on abolishing its pathological epitopes
	Journal of neurochemistry (Sep 2010; 114: 1353) **"The formation of tau pathological phospho-epitopes in the axon is prevented by the dephosphorylation of selective sites in primary hippocampal neurons over-expressing human tau."** Author(s):Bertrand J,Sénéchal P,Zummo-Soucy M,Plouffe V,Leclerc N PubMed Article URL:http://dx.doi.org/10.1111/j.1471-4159.2010.06855.x
Human / 1:1000	MN1060 was used in immunocytochemistry to investigate the distribution of p62 in sporadic inclusion-body myositis muscle fibers and its application as a biomarker
	Acta neuropathologica (Sep 2009; 118: 407) **"p62/SQSTM1 is overexpressed and prominently accumulated in inclusions of sporadic inclusion-body myositis muscle fibers, and can help differentiating it from polymyositis and dermatomyositis."** Author(s):Nogalska A,Terracciano C,D'Agostino C,King Engel W,Askanas V PubMed Article URL:http://dx.doi.org/10.1007/s00401-009-0564-6

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	MN1060 was used in immunocytochemistry to study a potential role of tau in chromosome stability via its interaction with chromatin and microtubules
Human / 1:100	Cell cycle (Georgetown, Tex.) (Jun 2008; 7: 1788) **"A new function of microtubule-associated protein tau: involvement in chromosome stability."** Author(s):Rossi G,Dalprà L,Crosti F,Lissoni S,Sciacca FL,Catania M,Di Fede G,Mangieri M,Giaccone G,Croci D,Tagliavini F PubMed Article URL:http://dx.doi.org/10.4161/cc.7.12.6012
	MN1060 was used in immunocytochemistry to study the co-localization of beta amyloid and phosphorylated tau in Alzhiemer's disease synaptosomes and the significance for the amyloid cascade model
Human / Not Cited	The American journal of pathology (Jun 2008; 172: 1683) **"Co-localization of amyloid beta and tau pathology in Alzheimer's disease synaptosomes."** Author(s):Fein JA,Sokolow S,Miller CA,Vinters HV,Yang F,Cole GM,Gylys KH PubMed Article URL:http://dx.doi.org/10.2353/ajpath.2008.070829

1 ELISA References

Species / Dilution	Summary
	MN1060 was used in ELISA to use rTg4510 mice to elucidate pathogenesis of tau-induced disease.
Human / Not Cited	Molecular neurodegeneration (Mar 2015; 10: null) **"Analysis of tau post-translational modifications in rTg4510 mice, a model of tau pathology."** Author(s):Song L,Lu SX,Ouyang X,Melchor J,Lee J,Terracina G,Wang X,Hyde L,Hess JF,Parker EM,Zhang L PubMed Article URL:http://dx.doi.org/10.1186/s13024-015-0011-1

2 Immunohistochemistry - Free Floating References

Species / Dilution	Summary
	MN1060 was used in immunohistochemistry - free floating to study the impact of amyloid-beta oligomers in the brains of rats and adult cynomolgus macaques
Rat / 1:70	The Journal of neuroscience : the official journal of the Society for Neuroscience (Oct 2014; 34: 13629) **"Alzheimer's disease-like pathology induced by amyloid-ß oligomers in nonhuman primates."** Author(s):Forny-Germano L,Lyra e Silva NM,Batista AF,Brito-Moreira J,Gralle M,Boehnke SE,Coe BC,Lablans A,Marques SA ,Martinez AM,Klein WL,Houzel JC,Ferreira ST,Munoz DP,De Felice FG PubMed Article URL:http://dx.doi.org/10.1523/JNEUROSCI.1353-14.2014
	MN1060 was used in immunohistochemistry (free floating) to present data that suggests that pathological A species induce changes in Tau that contribute to cognitive deficits correlating with synaptic deficits and hippocampal atrophy in an Alzheimer's disease model.
Human / Not Cited	FASEB journal : official publication of the Federation of American Societies for Experimental Biology (Jun 2014; 28: 2620) **"Tauopathy contributes to synaptic and cognitive deficits in a murine model for Alzheimer's disease."** Author(s):Stancu IC,Ris L,Vasconcelos B,Marinangeli C,Goeminne L,Laporte V,Haylani LE,Couturier J,Schakman O,Gailly P, Pierrot N,Kienlen-Campard P,Octave JN,Dewachter I PubMed Article URL:http://dx.doi.org/10.1096/fj.13-246702

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