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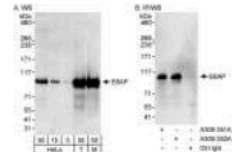
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E6AP Antibody, A300-352A

Rabbit anti-E6AP Antibody, Affinity Purified

Reactivity: Human, Mouse
Applications: WB, IP
Host: Rabbit
Antibody Type: Polyclonal
Conjugate: Unconjugated
Format: Whole IgG



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Immunogen

Immunogen: between 400 and 450

Gene and Protein Information

Gene ID: [7337](#)
Gene Name: ubiquitin protein ligase E3A
Gene Symbol: UBE3A
Uniprot ID: [Q05086](#)
Protein Name: Ubiquitin-protein ligase E3A

Citations

Product Citations: 20

- UBE3A-mediated regulation of imprinted genes and epigenome-wide marks in human neurons. *Epigen...*
- Activity-Dependent Arc Expression and Homeostatic Synaptic Plasticity Are Altered in Neurons from a ...
- Topoisomerase 1 Regulates Gene Expression in Neurons through Cleavage Complex-Dependent and -...

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Alternate Names

- E6AP antibody
- UBE3A antibody

Ordering Information

A300-352A	100 µl (1000 µg/ml)	\$367	
A300-352A-M	100 µl (10 blots)	\$247	
A300-352A-T	20 µl (2 blots)	\$103	

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- [E6AP ubiquitin-protein ligase antibody](#)
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- [HECT-type ubiquitin transferase E3A antibody](#)
- [HPVE6A antibody](#)
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(A300-352A) E6AP Antibody

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Antibody info

Additional info

Supplier	Bethyl Laboratories	Target	Ubiquitin-protein ligase E3A
Host	Rabbit	UniProt	Q05086 - UBE3A_HUMAN
Type	Primary	Gene	UBE3A
Clonality	Polyclonal	Modification	Unmodified
Conjugate	Unconjugated		

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Validations

None available

Applications

[Immunoprecipitation \(IP\)](#) [Western Blotting \(WB\)](#)

Reactivity

[Homo sapiens \(Human\)](#) [Mus musculus \(House mouse\)](#)

From the literature

Validations

None available

Applications ?

- WB
- IHC
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Reactivity

● Mus musculus (House mouse)



Dilutions for

WB

● 1:1,000



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UBE3A-mediated regulation of imprinted genes and epigenome-wide marks in human neurons.

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In Epigenetics on 20 September 2017 by Lopez, S. J., Dunaway, K., et al..

Applications: WB (1:1000)

Activity-Dependent Arc Expression and Homeostatic Synaptic Plasticity Are Altered in Neurons from a Mouse Model of Angelman Syndrome.

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In Frontiers in Molecular Neuroscience on 15 August 2017 by Pastuzyn, E. D. & Shepherd, J. D..

Applications: WB

Topoisomerase 1 Regulates Gene Expression in Neurons through Cleavage Complex-Dependent and -Independent Mechanisms.

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In PLoS ONE on 28 May 2016 by Mabb, A. M., Simon, J. M., et al..

Applications: WB (1:1000)

Towards a therapy for Angelman syndrome by targeting a long non-coding RNA.

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In Nature on 19 February 2015 by Meng, L., Ward, A. J., et al..

Applications: IHC and IHC-P

Reactivity: Mus musculus (House mouse)

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Resistance to UV-induced apoptosis by β -HPV5 E6 involves targeting of activated BAK for proteolysis by recruitment of the HERC1 ubiquitin ligase.

In International Journal of Cancer on 19 November 2014 by Holloway, A., Simmonds, M., et al..

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Applications: WB

Changes in mGlu5 Receptor-Dependent Synaptic Plasticity and Coupling to Homer Proteins in the Hippocampus of Ube3A Hemizygous Mice Modeling Angelman Syndrome.

In The Journal of Neuroscience on 26 March 2014 by Pignatelli, M., Piccinin, S., et al..

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Applications: WB

Activity-dependent changes in MAPK activation in the Angelman Syndrome mouse model.

In Learning & Memory on 16 January 2014 by Filonova, I., Trotter, J. H., et al..

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Applications: WB

Truncation of Ube3a-ATS unsilences paternal Ube3a and ameliorates behavioral defects in the Angelman syndrome mouse model.

In PLoS Genetics on 5 January 2014 by Meng, L., Person, R. E., et al..

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Applications: IHC, IHC, IP, WB, and WB

Reactivity: Mus musculus (House mouse)

The Angelman syndrome protein Ube3a/E6AP is required for Golgi acidification and surface protein sialylation.

In The Journal of Neuroscience on 27 February 2013 by Condon, K. H., Ho, J., et al..

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Applications: IHC, IHC-P, and WB

Spatial and temporal silencing of the human maternal UBE3A gene.

In European Journal of Paediatric Neurology : EJPN : Official Journal of the European Paediatric Neurology Society on 1 November 2012 by Daily, J., Smith, A. G., et al..

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Applications: WB

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All applications

All reactants

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Ube3a-ATS is an atypical RNA polymerase II transcript that represses the paternal expression of Ube3a.

In Human Molecular Genetics on 1 July 2012 by Meng, L., Person, R. E., et al..

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An unexpected function of the Prader-Willi syndrome imprinting center in maternal imprinting in mice.

In PLoS ONE on 12 April 2012 by Wu, M. Y., Jiang, M., et al..

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Applications: WB

Reactivity: Mus musculus (House mouse)

Adeno-associated virus-mediated rescue of the cognitive defects in a mouse model for Angelman syndrome.

In PLoS ONE on 16 December 2011 by Daily, J. L., Nash, K., et al..

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Applications: IHC and IHC-P

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HPVE6A antibodies

As antibodies

ANCR antibodies

E6-AP antibodies

Isoform-specific degradation of PR-B by E6-AP is critical for normal mammary gland development.

In *Molecular Endocrinology* on 1 November 2010 by Ramamoorthy, S., Dhananjayan, S. C., et al..

Applications: [WB](#)

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Tissue-specific variation of Ube3a protein expression in rodents and in a mouse model of Angelman syndrome.

In *Neurobiology of Disease* on 1 September 2010 by Gustin, R. M., Bichell, T. J., et al..

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Genomic imprinting of experience-dependent cortical plasticity by the ubiquitin ligase gene Ube3a.

In *Proceedings of the National Academy of Sciences of the United States of America* on 23 March 2010 by Sato, M. & Stryker, M. P..

Applications: [ICC](#) and [WB](#)

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High efficiency lipid-based siRNA transfection of adipocytes in suspension.

In *PLoS ONE* on 18 September 2009 by Kilroy, G., Burk, D. H., et al..

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Thiothymidine plus low-dose UVA kills hyperproliferative human skin cells independently of their human papilloma virus status.

In *Molecular Cancer Therapeutics* on 1 September 2007 by Reelfs, O., Xu, Y. Z., et al..

Applications: [WB](#)

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Deficiency of Rbbp1/Arid4a and Rbbp1l1/Arid4b alters epigenetic modifications and suppresses an imprinting defect in the PWS/AS domain.

In *Genes and Development* on 15 October 2006 by Wu, M. Y., Tsai, T. F., et al..

Applications: [WB](#)

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A mixed epigenetic/genetic model for oligogenic inheritance of autism with a limited role for UBE3A.

In *American Journal of Medical Genetics. Part A* on 15 November 2004 by Jiang, Y. H., Sahoo, T., et al..

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E6AP Antibody

Rabbit Polyclonal

Antigen Affinity Purified

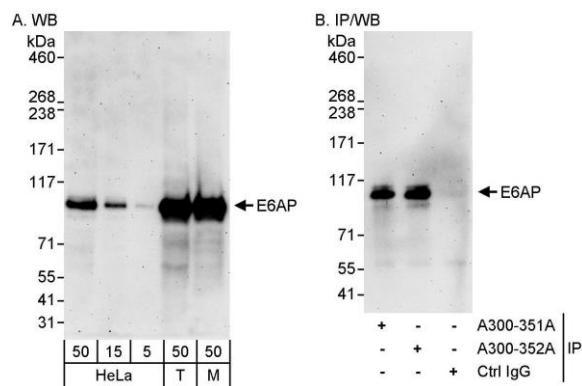
Catalog No. A300-352A

Protein ID NP_000453.2

GeneID 7337



APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to EAP6 immobilized on solid support.</p> <p>The epitope recognized by A300-352A maps to a region between residue 400 and 450 of human Ubiquitin Protein Ligase E3A using the numbering given in entry NP_000453.2 (GeneID 7337).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:1,000 – 1:10,000</p> <p>Immunoprecipitation 1 – 4 µg/mg lysate</p>
APPLICATION NOTES	<p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A300-352A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p>



Detection of human and mouse E6AP by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg), and mouse NIH 3T3 (M; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-E6AP antibody A300-352A (lot A300-352A-2) used for WB at 0.4 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. E6AP was also immunoprecipitated by rabbit anti-E6AP antibody A300-351A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A and B).