

Rabbit USP16 Polyclonal Antibody | anti-USP16 antibody

USP16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328205	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

USP16; Polyclonal Antibody; USP16 Antibody; Deubiquitinating enzyme 16; Human ubiquitin processing protease; MSTP039; Ubiquitin carboxyl-terminal hydrolase 16; Ubiquitin Specific peptidase 16; Ubiquitin Specific Protease 16; Ubiquitin thiolesterase 16; Ubiquitin-processing protease UBP-M; Ubiquitin-specific-processing protease 16; UBP M; UBP16_HUMAN; UBPM; usp16; anti-USP16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	USP16 antibody detects endogenous levels of total USP16
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	822
Applicable Applications for anti-USP16 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human USP16
Subcellular Location	Nucleus.
Tissue Specificity	Present in all the tissues examined including fetal brain, lung, liver, kidney, and adult heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328205 staining 293T by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis USP16 using K562 whole cell lysates



WB (Western Blot)

Western blot analysis of extracts from rat brain, using USP16 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-USP16 antibody

Function: Specifically deubiquitinates 'Lys-120' of histone H2A (H2AK119Ub), a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A is a prerequisite for subsequent phosphorylation at 'Ser-11' of histone H3 (H3S10ph), and is required for chromosome segregation when cells enter into mitosis. In resting B- and T-lymphocytes, phosphorylation by AURKB leads to enhance its activity, thereby maintaining transcription in resting lymphocytes. Regulates Hox gene expression via histone H2A deubiquitination. Prefers nucleosomal substrates. Does not deubiquitinate histone H2B.

Subunit Structure: Homotetramer.

Post-translational Modifications: Phosphorylated at the onset of mitosis and dephosphorylated during the metaphase/anaphase transition. Phosphorylation by AURKB enhances the deubiquitinase activity.

Similarity: The UBP-type zinc finger binds 3 zinc ions that form a pair of cross-braced ring fingers encapsulated within a third zinc finger in the primary structure. It recognizes the C-terminal tail of free ubiquitin. Belongs to the peptidase C19 family. USP16 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50312664
NCBI GeneID	10600
NCBI Accession #	NP_001001992.1
NCBI GenBank Nucleotide #	NM_001001992.1
UniProt Accession #	Q9Y5T5; Q53GP7; Q53HA0; Q5VKN8; Q8NEL3; Q9H3E6; A8MU43; B3KN13; B4DFV8; B4DY37; D3DSD9
Molecular Weight	Observed: 94 kDa Predicted: 94 kDa
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 16 isoform b
NCBI Official Synonym Full Names	ubiquitin specific peptidase 16
NCBI Official Symbol	USP16
NCBI Official Synonym Symbols	UBPM; UBP-M
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 16
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 16
UniProt Gene Name	USP16

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp16-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/328205>