

Rabbit anti-Human, Mouse USP36 Polyclonal Antibody | anti-USP36 antibody

USP36 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322647	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

USP36; Polyclonal Antibody; USP36 Antibody; Deubiquitinating enzyme 1; Deubiquitinating enzyme 36; DUB1; FLJ12851; KIAA1453; Ubiquitin carboxyl-terminal hydrolase 36; Ubiquitin specific peptidase 36; Ubiquitin specific processing protease 36; Ubiquitin thioesterase 36; Ubiquitin thiolesterase 36; Ubiquitin-specific-processing protease 36; UBP36_HUMAN; Usp36; anti-USP36 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	USP36 antibody detects endogenous levels of total USP36
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	1123
Applicable Applications for anti-USP36 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human USP36
Subcellular Location	Nucleus > Nucleolus.
Tissue Specificity	Broadly expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (92%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis USP36 using HuvEc whole cell lysates



IHC (Immunohistochemistry)
AAA322647 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-USP36 antibody	Function: Deubiquitinase essential for the regulation of nucleolar structure and function. Required for cell and organism viability. Plays an important role in ribosomal RNA processing and protein synthesis, which is mediated, at least in part, through deubiquitination of DHX33, NPM1 and FBL, regulating their protein stability (PubMed:29273634, PubMed:19208757, PubMed:22902402). Function as a transcriptional repressor by deubiquitinating histone H2B at the promoters of genes critical for cellular differentiation, such as CDKN1A, thereby preventing histone H3 'Lys-4' trimethylation (H3K4) (PubMed:29274341). Specifically deubiquitinates MYC in the nucleolus, leading to prevent MYC degradation by the proteasome: acts by specifically interacting with isoform 3 of FBXW7 (FBW7gamma) in the nucleolus and counteracting ubiquitination of MYC by the SCF(FBW7) complex. In contrast, it does not interact with isoform 1 of FBXW7 (FBW7alpha) in the nucleoplasm (PubMed:25775507). Interacts to and regulates the actions of E3 ubiquitin-protein ligase NEDD4L over substrates such as NTRK1, KCNQ2 and KCNQ3, affecting their expression an functions (PubMed:27445338). Deubiquitinates SOD2, regulates SOD2 protein stability (PubMed:21268071). Deubiquitinase activity is required to control selective autophagy activation by ubiquitinated proteins (PubMed:22622177). Subunit Structure: Interacts with isoform 3 of FBXW7; the interaction inhibits MYC degradation induced by SCF(FBW7) complex (PubMed:25775507). Interacts with NTRK1; USP36 does not deubiquitinate NTRK1 (PubMed:27445338). Interacts with NEDD4L (via domains WW1, 3 and 4); the interaction inhibits ubiquitination of, at least, NTRK1, KCNQ2 and KCNQ3 by NEDD4L (PubMed:27445338). Post-translational Modifications: Polyubiquitinated by NEDD4L, no effect on USP36 protein levels. Both proteins interact with and regulate each other's ubiquitination levels. Similarity: Belongs to the peptidase C19 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1007892888
NCBI GeneID	57602
NCBI Accession #	NP_001308220.1
NCBI GenBank Nucleotide #	NM_001321291.1
UniProt Accession #	Q9P275; Q05C98; Q05DD0; Q6IQ38; Q8NDM8; Q9NVC8
Molecular Weight	Observed: 125 kDa Predicted: 123 kDa
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 36
NCBI Official Synonym Full Names	ubiquitin specific peptidase 36
NCBI Official Symbol	USP36
NCBI Official Synonym Symbols	DUB1
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 36
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 36
UniProt Gene Name	USP36

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/usp36-antibody-immunohistochemistry-western-blot-elisa/322647>