

Rabbit anti-Human, Rat USP37 Polyclonal Antibody | anti-USP37 antibody

USP37 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323357	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

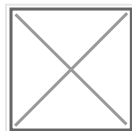
PRODUCT SYNONYMS

USP37; Polyclonal Antibody; USP37 Antibody; Deubiquitinating enzyme 3; Deubiquitinating enzyme 37; EC 3.1.2.15; KIAA1594; MGC117261; OTTHUMP00000164146; tmp_locus_50; Ubiquitin carboxyl-terminal hydrolase 37; Ubiquitin specific peptidase 37; Ubiquitin specific processing protease 37; Ubiquitin specific protease 37; Ubiquitin thioesterase 37; Ubiquitin thiolesterase 37; Ubiquitin-specific-processing protease 37; UBP37_HUMAN; anti-USP37 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	USP37 antibody detects endogenous levels of total USP37
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	979
Applicable Applications for anti-USP37 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Expressed in brain and prostate.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated

IMAGES



WB (Western Blot)

Western blot analysis of USP37 expression in Hela cell lysate. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323357 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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-USP37 antibody	Function: Deubiquitinase that antagonizes the anaphase-promoting complex (APC/C) during G1/S transition by mediating deubiquitination of cyclin-A (CCNA1 and CCNA2), thereby promoting S phase entry. Specifically mediates deubiquitination of 'Lys-11'-linked polyubiquitin chains, a specific ubiquitin-linkage type mediated by the APC/C complex. Also mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains in vitro. Phosphorylation at Ser-628 during G1/S phase maximizes the deubiquitinase activity, leading to prevent degradation of cyclin-A (CCNA1 and CCNA2) (PubMed:21596315). Plays an important role in the regulation of DNA replication by stabilizing the licensing factor CDT1 (PubMed:27296872). Subunit Structure: Interacts with FZR1/CDH1 (PubMed:21596315). Interacts with CDT1 (PubMed:27296872). Post-translational Modifications: Polyubiquitinated via 'Lys-11'-linked ubiquitin by the APC(CDH1) complex during late mitosis, leading to its degradation. Able to mediate auto-deubiquitination. Phosphorylated at Ser-628 by CDK2 during G1/S phase but not during mitosis; phosphorylation at Ser-628 is required for deubiquitinase activity. Also polyubiquitinated during early G1 phase, without leading to degradation. Similarity: The KEN box 3 is required for interaction with FZR1/CDH1 and is essential for APC(CDH1)-mediated ubiquitination. Belongs to the peptidase C19 family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	188497648
NCBI GeneID	57695
NCBI Accession #	NP_065986.2
NCBI GenBank Nucleotide #	NM_020935.2
UniProt Accession #	Q86T82; Q2KHT2; Q53S10; Q7Z3A5; Q9HCH8; A2RUQ8; B7ZM38; B7ZM41; E9PHL3
Molecular Weight	Observed: 120 kDa Predicted: 111 kDa
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 37
NCBI Official Synonym Full Names	ubiquitin specific peptidase 37
NCBI Official Symbol	USP37
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 37
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 37
UniProt Gene Name	USP37
UniProt Synonym Gene Names	KIAA1594

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp37-antibody-immunohistochemistry-western-blot-elisa/323357>