

Rabbit anti-Human, Rat USP10 Polyclonal Antibody | anti-USP10 antibody

USP10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233992	Rabbit	Human, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

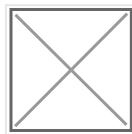
PRODUCT SYNONYMS

USP10; Polyclonal Antibody; USP10 Antibody; Ubiquitin carboxyl-terminal hydrolase 10; Deubiquitinating enzyme 10; Ubiquitin thioesterase 10; Ubiquitin-specific-processing protease 10; KIAA0190; anti-USP10 antibody

PRODUCT SPECIFICATIONS

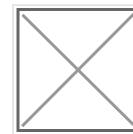
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	802
Applicable Applications for anti-USP10 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 10 protein (453-592AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



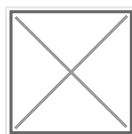
IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA233992 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA233992 at dilution of 1:100



WB (Western Blot)

Western BlotPositive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, Rat liver tissueAll lanes: USP10 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 88, 93 KDaObserved band size: 88 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-USP10 antibody	Hydrolase that can remove conjugated ubiquitin from target proteins such as p53/TP53, BECN1, SNX3 and CFTR. Acts as an essential regulator of p53/TP53 stability: in unstressed cells, specifically deubiquitinates p53/TP53 in the cytoplasm, leading to counteract MDM2 action and stabilize p53/TP53. Following DNA damage, translocates to the nucleus and deubiquitinates p53/TP53, leading to regulate the p53/TP53-dependent DNA damage response. Component of a regulatory loop that controls autophagy and p53/TP53 levels: mediates deubiquitination of BECN1, a key regulator of autophagy, leading to stabilize the PIK3C3/VPS34-containing complexes. In turn, PIK3C3/VPS34-containing complexes regulate USP10 stability, suggesting the existence of a regulatory system by which PIK3C3/VPS34-containing complexes regulate p53/TP53 protein levels via USP10 and USP13. Does not deubiquitinate MDM2. Deubiquitinates CFTR in early endosomes, enhancing its endocytic recycling. Involved in a TANK-dependent negative feedback response to attenuate NF-kappaB activation via deubiquitinating IKBKG or TRAF6 in response to interleukin-1-beta (IL1B) stimulation or upon DNA damage (PubMed:25861989).
Product Categories/Family for anti-USP10 antibody	Epigenetics and Nuclear Signaling; Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	440918695
NCBI GeneID	9100
NCBI Accession #	NP_001259004.1
NCBI GenBank Nucleotide #	NM_001272075.1
UniProt Accession #	Q14694; Q9BWG7; Q9NSL7; B2RDJ8; B4DS84
Molecular Weight	87,533 Da
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 10 isoform 1
NCBI Official Synonym Full Names	ubiquitin specific peptidase 10
NCBI Official Symbol	USP10
NCBI Official Synonym Symbols	UBPO
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 10
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 10
UniProt Gene Name	USP10
UniProt Synonym Gene Names	KIAA0190

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/usp10-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/233992>