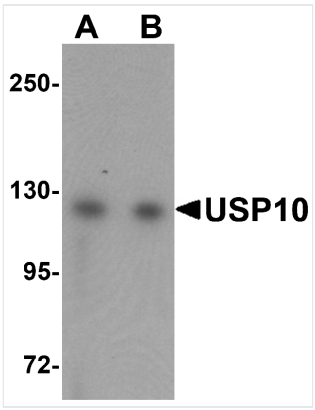
USP10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

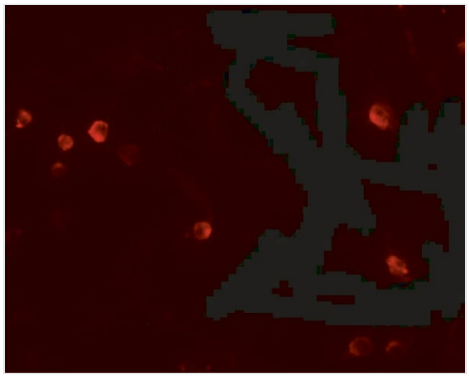
Product Name	USP10, Polyclonal Antibody
Full Product Name	USP10 Antibody
Product Gene Name	anti-USP10 antibody
Product Synonym Names	USP10; UBPO; KIAA0190; Ubiquitin carboxyl-terminal hydrolase 10; Deubiquitinating enzyme 10; ubiquitin specific peptidase 10
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	USP10 Antibody is affinity chromatography purified via peptide column.
Concentration	1 mg/mL (lot specific)
Preparation and Storage	USP10 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Antibody/Peptide Pairs	USP10 peptide (MBS153231) is used for blocking the activity of USP10 antibody (MBS150568)
Molecular Weight	87,533 Da
OMIM	609818
3D Structure	ModBase 3D Structure for Q14694
Conjugate	Unconjugated
Immunogen	USP10 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human USP10.
Buffer	USP10 Antibody is supplied in PBS containing 0.02% sodium azide.
Applications Tested/Suitable for anti-USP10 antibody	ELISA (EIA), Western Blot (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-USP10 antibody	USP10 antibody can be used for detection of USP10 by Western blot at 1 - 2 mug/mL. Antibody can also be used for immunocytochemistry starting at 20 mug/mL. For immunofluorescence start at 20 mug/mL.
Related Product Information for anti-USP10 antibody	USP10 Antibody: USP10, also known as ubiquitin specific peptidase 10, belongs to the ubiquitin-specific protease family of cysteine proteases. USP10 functions to catalyze the cleavage of ubiquitin from ubiquitin-conjugated protein substrates such as p53/TP53, SNX3 and CFTR. USP10 has been identified as a subunit of DNA-bound androgen receptor (AR) complexes and may play a role in the activity of the DNA-bound androgen receptor complex. USP10 also acts as an essential regulator of p53/TP53 stability and is thought to function as a tumor suppressor.
Other Notes	Small volumes of anti-USP10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for USP10 purchase	MBS150568 is an antibody targeting USP10. Also known as USP10 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-USP10 antibody
Western blot analysis of USP10 in Jurkat cell lysate with USP10 antibody at (A) 1 and (B) 2 ?g/mL.



Immunocytochemistry (IHC) of anti-USP10 antibody
Immunocytochemistry of USP10 in Jurkat cells with USP10 antibody at 20 ?g/mL.



Immunofluorescence (IF) of anti-USP10 antibody
Immunofluorescence of USP10 in Jurkat cells with USP10 antibody at 20 ?g/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USP10. It may not necessarily be applicable to this product.

NCBI GI #	119220605
NCBI GeneID	9100
NCBI Accession #	NP_005144
UniProt Primary Accession #	Q14694
UniProt Secondary Accession #	Q9BWG7; Q9NSL7; B2RDJ8; B4DS84
UniProt Related Accession #	Q14694
GenBank Nucleotide #	NM_005153.2
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 10 isoform 2
NCBI Official Synonym Full Names	ubiquitin specific peptidase 10
NCBI Official Symbol	USP10
NCBI Official Synonym Symbols	UBPO
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 10
UniProt Synonym Protein Names	Deubiquitinating enzyme 10; Ubiquitin thioesterase 10; Ubiquitin-specific-processing protease 10
UniProt Gene Name	USP10
UniProt Synonym Gene Names	KIAA0190

UniProt Entry Name	UBP10_HUMAN
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 10; ubiquitin thioesterase 10; deubiquitinating enzyme 10; ubiquitin thiolesterase 10; ubiquitin specific protease 10; ubiquitin-specific-processing protease 10
NCBI Summary for USP10	Ubiquitin is a highly conserved protein that is covalently linked to other proteins to regulate their function and degradation. This gene encodes a member of the ubiquitin-specific protease family of cysteine proteases. The enzyme specifically cleaves ubiquitin from ubiquitin-conjugated protein substrates. The protein is found in the nucleus and cytoplasm. It functions as a co-factor of the DNA-bound androgen receptor complex, and is inhibited by a protein in the Ras-GTPase pathway. The human genome contains several pseudogenes similar to this gene. Several transcript variants, some protein-coding and others not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2013]
UniProt Comments for USP10	USP10: a carboxyl-terminal ubiquitin-processing protease. Ras-GAP SH3 domain-binding protein (G3BP) appears to inhibit its ability to disassemble ubiquitin chains. Protein type: RNA-binding; EC 3.4.19.12; Ubiquitin-specific protease; Ubiquitin conjugating system; Protease Chromosomal Location of Human Ortholog: 16q24.1 Cellular Component: cytoplasm; early endosome; nucleus Molecular Function: protein binding; p53 binding; cysteine-type endopeptidase activity; ubiquitin-specific protease activity Biological Process: proteasomal ubiquitin-dependent protein catabolic process; protein deubiquitination; DNA damage response, signal transduction by p53 class mediator; autophagy; regulation of autophagy; DNA repair
Research Articles on USP10	**1.** USP10 deubiquitinates and stabilizes SIRT6.
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