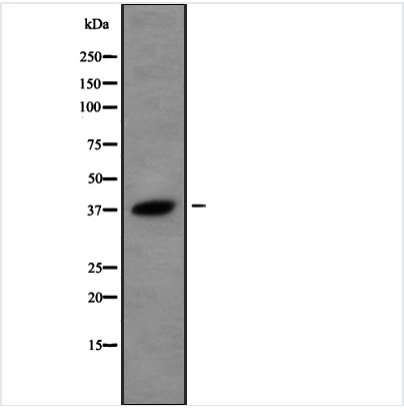
USP50 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	USP50, Polyclonal Antibody
Full Product Name	USP50 Antibody
Product Gene Name	anti-USP50 antibody
Product Synonym Names	Inactive ubiquitin specific peptidase 50; Ubiquitin specific peptidase 50; Ubiquitin specific protease 50; USP50
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	USP50 antibody detects endogenous levels of total USP50
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	USP50 peptide (MBS9619722) is used for blocking the activity of USP50 antibody (MBS9602268)
Molecular Weight	Observed: 38 kDa Predicted: 39 kDa
3D Structure	ModBase 3D Structure for Q70EL3
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human USP50
Tissue Specificity	Weakly expressed in a few tissues.
Predicted Cross Reactivity	**Horse, Rabbit**
Similarity	Horse (88%), Rabbit (100%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-USP50 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-USP50 antibody	WB: 1:1000
Related Product Information for anti-USP50 antibody	Function: Has no peptidase activity. Similarity: Belongs to the peptidase C19 family.
Other Notes	Small volumes of anti-USP50 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 USP50 purchase	MBS9602268 is an antibody targeting USP50. Also known as USP50 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-USP50 antibody
Western blot analysis USP50 using A549 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USP50. It may not necessarily be applicable to this product.

NCBI GI #	291290970
NCBI GeneID	373509
NCBI Accession #	NP_987090.2
UniProt Primary Accession #	Q70EL3
UniProt Secondary Accession #	E9PP86
UniProt Related Accession #	Q70EL3
GenBank Nucleotide #	NM_203494.4
NCBI Official Full Name	inactive ubiquitin carboxyl-terminal hydrolase 50
NCBI Official Synonym Full Names	ubiquitin specific peptidase 50
NCBI Official Symbol	USP50
UniProt Protein Name	Inactive ubiquitin carboxyl-terminal hydrolase 50
UniProt Synonym Protein Names	Inactive ubiquitin-specific peptidase 50
Protein Family	Inactive ubiquitin carboxyl-terminal hydrolase
UniProt Gene Name	USP50
NCBI Protein Information	inactive ubiquitin carboxyl-terminal hydrolase 50
UniProt Comments for USP50	Has no peptidase activity.CautionAlthough the active site residues are conserved, lacks the conserved Asp/Asn residue which is normally found 7-9 residues after the catalytic His.
Research Articles on USP50	**1.** verexpression of USP50 has no effect on Ku70 mRNA levels, while it reduces Ku70 protein levels by promoting Ku70 degradation, suggesting that USP50 may indirectly regulate Ku70 protein stability.
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