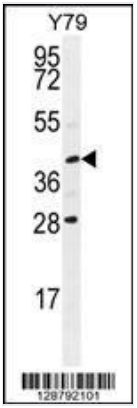
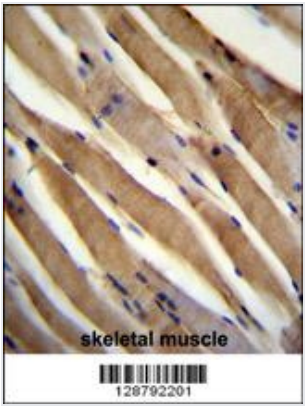
USP50 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	USP50, Polyclonal Antibody
Full Product Name	USP50, ID (USP50, Inactive ubiquitin carboxyl-terminal hydrolase 50, Inactive ubiquitin-specific peptidase 50) (APC)
Product Gene Name	anti-USP50 antibody
Product Synonym Names	USP50; Inactive ubiquitin carboxyl-terminal hydrolase 50; Inactive ubiquitin-specific peptidase 50
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	38,383 Da
3D Structure	ModBase 3D Structure for Q70EL3
Immunogen	USP50 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 148-178 amino acids from the Central region of human USP50.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-USP50 antibody	Antibodies; Ubiquitin
Applications Tested/Suitable for anti-USP50 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-USP50 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-USP50 antibody	MBS6361994 is an antibody targeting USP50. Also known as USP50, ID (USP50, Inactive ubiquitin carboxyl-terminal hydrolase 50, Inactive ubiquitin-specific peptidase 50) (APC). Reactive in Human. Host: Rabbit.
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.



Western Blot (WB) of anti-USP50 antibody
USP50 Antibody (Center) western blot analysis in Y79 cell line lysates (35ug/lane).This demonstrates the USP50 antibody detected the USP50 protein (arrow).



Immunohistochemistry (IHC) of anti-USP50 antibody
USP50 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of USP50 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	45267835
NCBI GeneID	373509
NCBI Accession #	NP_987090.1
UniProt Primary Accession #	Q70EL3
UniProt Secondary Accession #	E9PP86
UniProt Related Accession #	Q70EL3
GenBank Nucleotide #	NM_203494.3
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
UniProt Entry Name	UBP50_HUMAN
NCBI Protein Information	inactive ubiquitin carboxyl-terminal hydrolase 50
UniProt Comments for USP50	USP50: Has no peptidase activity. Belongs to the peptidase C19 family. Protein type: Ubiquitin-specific protease; EC 3.4.19.12 Chromosomal Location of Human Ortholog: 15q21.1 Biological Process: ubiquitin-dependent protein catabolic process
Research Articles on USP50	**1.** USP50 may act through a HSP90-dependent mechanism to counteract CDC25B mitotic inducing activity and prevent Wee1 degradation.

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