USP48 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	USP48, Polyclonal Antibody
Full Product Name	USP48 Antibody, Biotin conjugated
Product Gene Name	anti-USP48 antibody
Product Synonym Names	Ubiquitin carboxyl-terminal hydrolase 48; Deubiquitinating enzyme 48; Ubiquitin thioesterase 48; Ubiquitin-specific peptidase 48; Ubiquitin-specific protease 48; Ubiquitin-specific-processing protease 48; USP48; USP31
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: USP48 (MBS7106109) Biotin Conjugated Antibody: USP48 (MBS7106112)
Molecular Weight	120,526 Da
OMIM	AF502942 mRNA
3D Structure	ModBase 3D Structure for Q86UV5
Immunogen	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 48 protein (358-508AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-USP48 antibody	Epigenetics and Nuclear Signaling; Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-USP48 antibody	ELISA (EIA)
Related Product Information for anti-USP48 antibody	Recognizes and hydrolyzes the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. May be involved in the regulation of NF-kappa-B activation by TNF receptor superfamily via its interactions with RELA and TRAF2. May also play a regulatory role at postsynaptic sites.
Other Notes	Small volumes of anti-USP48 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 USP48 purchase	MBS7106112 is an antibody targeting USP48. Also known as USP48 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USP48. It may not necessarily be applicable to this product.

NCBI GI #	76257392
NCBI GeneID	84196
NCBI Accession #	NP_001027902.1
UniProt Primary Accession #	Q86UV5
UniProt Secondary Accession #	Q2M3I4; Q5SZI4; Q5T3T5; Q6NX53; Q8N3F6; Q96F64; Q96IQ3; Q9H5N3; Q9H5T7; Q9NUJ6; B7ZKS7
UniProt Related Accession #	Q86UV5
GenBank Nucleotide #	NM_001032730.2
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 48 isoform b
NCBI Official Synonym Full Names	ubiquitin specific peptidase 48
NCBI Official Symbol	USP48
NCBI Official Synonym Symbols	USP31; RAP1GA1
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 48
UniProt Synonym Protein Names	Deubiquitinating enzyme 48; Ubiquitin thioesterase 48; Ubiquitin-specific peptidase 48; Ubiquitin-specific protease 48; Ubiquitin-specific-processing protease 48
Protein Family	Ubiquitin carboxyl-terminal hydrolase
UniProt Gene Name	USP48
UniProt Synonym Gene Names	USP31
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 48
NCBI Summary for USP48	This gene encodes a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Research Articles on USP48	**1.** this study demonstrates that USP48 controls the Ubiquitin/proteasome-system-dependent turnover of activated NF-kappaB/RelA in the nucleus.
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