

Rabbit USP12/USP46 Polyclonal Antibody | anti-USP12 antibody

USP12/USP46 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284861	Rabbit	Human (Predicted Reactivity: Xenopus, Bovine, Zebrafish, Mouse)	ELISA, Western Blot

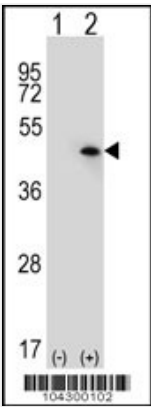
PRODUCT SYNONYMS

USP12/USP46; Polyclonal Antibody; USP12/USP46 Antibody (C-term); Ubiquitin carboxyl-terminal hydrolase 12; Deubiquitinating enzyme 12; Ubiquitin thioesterase 12; Ubiquitin-hydrolyzing enzyme 1; Ubiquitin-specific-processing protease 12; USP12; UBH1; USP12L1; anti-USP12 antibody

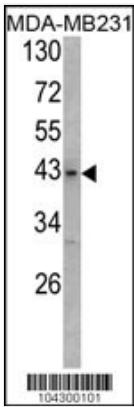
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Bovine, Zebrafish, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This USP12/USP46 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-345 amino acids from the C-terminal region of human USP12/USP46.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	315-345
Sequence Length	370
Applicable Applications for anti-USP12 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of USP12 (arrow) using rabbit polyclonal USP12 Antibody (L315). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the USP12 gene.



WB (Western Blot)
Western blot analysis of USP12/USP46 Antibody (C-term) in MDA-MB231 cell line lysates (35ug/lane). USP12/USP46 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-USP12 antibody	Modification of target proteins by ubiquitin participates in a wide array of biological functions. Proteins destined for degradation or processing via the 26 S proteasome are coupled to multiple copies of ubiquitin. However, attachment of ubiquitin or ubiquitin-related molecules may also result in changes in subcellular distribution or modification of protein activity. An additional level of ubiquitin regulation, deubiquitination, is catalyzed by proteases called deubiquitinating enzymes, which fall into four distinct families. Ubiquitin C-terminal hydrolases, ubiquitin-specific processing proteases (USPs),1 OTU-domain ubiquitin-aldehyde-binding proteins, and Jab1/Pad1/MPN-domain-containing metallo-enzymes. Among these four families, USPs represent the most widespread and represented deubiquitinating enzymes across evolution. USPs tend to release ubiquitin from a conjugated protein. They display similar catalytic domains containing conserved Cys and His boxes but divergent N-terminal and occasionally C-terminal extensions, which are thought to function in substrate recognition, subcellular localization, and protein-protein interactions.
Product Categories/Family for anti-USP12 antibody	Cell Biology
References	Hansen-Hagge, T.E., et al., Genomics 49(3):411-418 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	301500675
NCBI GeneID	219333
NCBI Accession #	NP_872294.2
NCBI GenBank Nucleotide #	NM_182488.3
UniProt Accession #	O75317; Q5VZV3; Q8TC49; A8K0X0
Molecular Weight	42858
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 12
NCBI Official Synonym Full Names	ubiquitin specific peptidase 12
NCBI Official Symbol	USP12
NCBI Official Synonym Symbols	UBH1; USP12L1
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 12
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 12

UniProt Gene Name	USP12
UniProt Synonym Gene Names	UBH1; USP12L1
UniProt Entry Name	UBP12_HUMAN

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://www.aaabiotech.com/polyclonal/usp12-usp46-antibody-western-blot-elisa/284861>