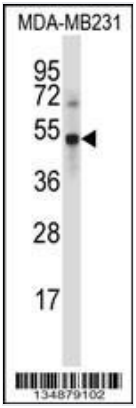
UBP46 (USP2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UBP46 (USP2), Polyclonal Antibody
Full Product Name	UBP46, CT (USP46, Ubiquitin carboxyl-terminal hydrolase 46, Deubiquitinating enzyme 46, Ubiquitin thioesterase 46, Ubiquitin-specific-processing protease 46)
Product Gene Name	anti-USP2 antibody
Product Synonym Names	Anti -UBP46, CT (USP46, Ubiquitin carboxyl-terminal hydrolase 46, Deubiquitinating enzyme 46, Ubiquitin thioesterase 46, Ubiquitin-specific-processing protease 46)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	40,932 Da
Chromosome Location	Chromosome: 24; NC_006111.3 (4179526..4184536). Location: chromosome: 24
3D Structure	ModBase 3D Structure for O57429
Immunogen	UBP46 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 240-269 amino acids from the C-terminal region of human UBP46.
Product Categories/Family for anti-USP2 antibody	Antibodies; Abs to Ubiquitin
Applications Tested/Suitable for anti-USP2 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-USP2 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-USP2 antibody	Modification of cellular proteins by ubiquitin is an essential regulatory mechanism controlled by the coordinated action of multiple ubiquitin-conjugating and deubiquitinating enzymes. USP46 belongs to a large family of cysteine proteases that function as deubiquitinating enzymes (Quesada et al., 2004 [PubMed 14715245]).
Other Notes	Small volumes of anti-USP2 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 USP2 purchase	MBS6008653 is an antibody targeting USP2. Also known as UBP46, CT (USP46, Ubiquitin carboxyl-terminal hydrolase 46, Deubiquitinating enzyme 46, Ubiquitin thioesterase 46, Ubiquitin-specific-processing protease 46). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-USP2 antibody
UBP46 Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the UBP46 antibody detected the UBP46 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USP2. It may not necessarily be applicable to this product.

NCBI GI #	45382531
NCBI GeneID	395766
NCBI Accession #	NP_990257.1
UniProt Primary Accession #	O57429
UniProt Related Accession #	O57429
GenBank Nucleotide #	NM_204926.1
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 2
NCBI Official Synonym Full Names	ubiquitin specific peptidase 2
NCBI Official Symbol	USP2
NCBI Official Synonym Symbols	UBP41; UBP46; ubp52; ubp66
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 2
UniProt Synonym Protein Names	41 kDa ubiquitin-specific protease; Deubiquitinating enzyme 2; Ubiquitin thioesterase 2; Ubiquitin-specific-processing protease 2
Protein Family	Protein
UniProt Gene Name	USP2
UniProt Synonym Gene Names	UBP41
UniProt Entry Name	UBP2_CHICK
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 2; ubiquitin thioesterase 2; deubiquitinating enzyme 2; ubiquitin thiolesterase 2; family of cysteine protease; ubiquitin specific protease 2; ubiquitin specific protease 41; ubiquitin specific protease 46; ubiquitin specific protease 52; ubiquitin specific protease 66; 41 kDa ubiquitin-specific protease; ubiquitin-specific-processing protease 2

UniProt Comments for USP2	Function: Hydrolase that deubiquitinates polyubiquitinated target proteins such as MDM2, MDM4 and CCND1. Possesses both ubiquitin-specific peptidase and isopeptidase activities By similarity. Catalytic activity: Thiol-dependent hydrolysis of ester, thioester, amide, peptide and isopeptide bonds formed by the C-terminal Gly of ubiquitin (a 76-residue protein attached to proteins as an intracellular targeting signal). Cofactor: Binds 1 zinc ion By similarity. Subunit structure: Homooligomer By similarity. Subcellular location: Cytoplasm By similarity. Cytoplasm › perinuclear region By similarity. Sequence similarities: Belongs to the peptidase C19 family. USP2 subfamily.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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