USP7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	USP7, Polyclonal Antibody
Full Product Name	USP7
Product Gene Name	anti-USP7 antibody
Product Synonym Names	Purified Rabbit Anti Human KCNA6 Polyclonal antibody; TEF1; HAUSP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human Predicted: Rat, Mouse
Form/Format	Already dissolved in sterile H2O with 1% BSA and 0.02% NaN3 and 50% Glycerol.
Purity/Purification	Purified By Antigen Affinity Column
Molecular Weight	128kDa
OMIM	602519
3D Structure	ModBase 3D Structure for Q93009
Immunogen	Recombinant fragment corresponding to 2-19aa of human USP7.
Cellular Localization	Chromosome, Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-USP7 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-USP7 antibody	ELISA: 1:20000-80000 WB: 1:200-1,000 IHC: 1:100-500
Related Product Information for anti-USP7 antibody	MBS8564115 is an antibody targeting USP7. Reactive in Human Predicted: Rat, Mouse. Host: Rabbit. Homo sapiens ubiquitin specific peptidase 7 (USP7), mRNA
Product References and Citations for anti-USP7 antibody	Everett R D, Meredith M, Orr A. et al. A novel ubiquitin specific protease is dynamically associated with the PML nuclear domain and binds to a herpesvirus regulatory protein. The EMBO journal. 16 (3):566-577 (1997)
Other Notes	Small volumes of anti-USP7 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USP7. It may not necessarily be applicable to this product.

NCBI GI #	150378533
NCBI GeneID	7874
UniProt Primary Accession #	Q93009

UniProt Related Accession #	Q93009
GenBank Nucleotide #	NP_003461.2
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 7 isoform 1
NCBI Official Synonym Full Names	ubiquitin specific peptidase 7
NCBI Official Symbol	USP7
NCBI Official Synonym Symbols	TEF1; HAUSP
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 7
UniProt Synonym Protein Names	Deubiquitinating enzyme 7; Herpesvirus-associated ubiquitin-specific protease; Ubiquitin thioesterase 7; Ubiquitin-specific-processing protease 7
UniProt Gene Name	USP7
UniProt Synonym Gene Names	HAUSP
UniProt Entry Name	UBP7_HUMAN
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 7
NCBI Summary for USP7	The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder. [provided by RefSeq, Mar 2016]
UniProt Comments for USP7	USP7: an enzyme that removes ubiquitin from its protein substrates. Binds to the herpes virus protein VMW110 that may therefore modulate its substrate specificity or activity to stabilize viral proteins. Regulates MDM2 and has a dynamic role in the p53-MDM2 pathway. Is reported to deubiquitinate and stabilize p53. Protein type: Ubiquitin-specific protease; Protease; EC 3.4.19.12; Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: nuclear body; PML body; cytosol; nucleus Molecular Function: protein C-terminus binding; protein binding; p53 binding; cysteine-type endopeptidase activity; ubiquitin protein ligase binding; ubiquitin-specific protease activity; transcription factor binding Biological Process: proteasomal ubiquitin-dependent protein catabolic process; protein deubiquitination; maintenance of DNA methylation; viral reproduction; regulation of transcription factor activity; inhibition of NF-kappaB transcription factor; transcription-coupled nucleotide-excision repair; multicellular organismal development; histone deubiquitination
Research Articles on USP7	**1.** High USP7 expression is associated with esophageal squamous cell carcinoma.
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