

Rabbit USP7 Polyclonal Antibody | anti-USP7 antibody

USP7 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200896	Rabbit	Tested Species Reactivity: Human, Rat Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish	Western Blot

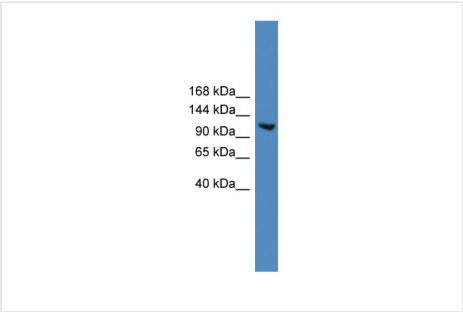
PRODUCT SYNONYMS

USP7; Polyclonal Antibody; USP7 antibody - middle region; TEF1; HAUSP; HAFOUS; anti-USP7 antibody

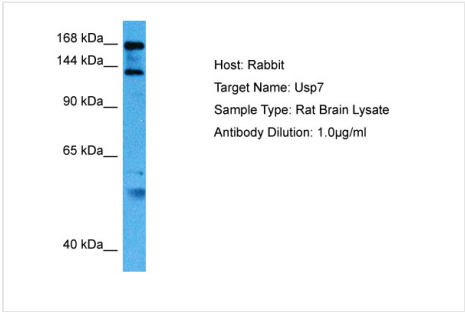
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Rat Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: RV LLDNVENKMK GTCVEGTIPK LFRGKMVSYI QCKEVDYRSD RREDYYDI
Sequence Length	1102
Applicable Applications for anti-USP7 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human USP7
Protein Size (# AA)	1102 amino acids
Protein Interactions	UBC; TP53; CHFR; RNF220; TPP1; FAM175B; HUWE1; PEPD; XPC; SUMO2; IKBKG; SHFM1; RB1; SUMO1; RPA3; RPA2; RPA1; PTEN; EED; ABL1; RNF2; MMS19; PPP6C; FKBP5; PPP6R3; CDC37; OGFR; COPS6; MAGED2; TRAP1; MCMBP; CLK3; UHRF1; PPARG; RNF11; KAT5; SOX2; LOC576779; HD
Blocking Peptide	For anti-USP7 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-USP7 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: A549 cell lysate



WB (Western Blot)
Host: Rat
Target Name: USP7
Sample Tissue: Rat Brain
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-USP7 antibody	This is a rabbit polyclonal antibody against USP7. It was validated on Western Blot Target Description: USP7 is a hydrolase that deubiquitinates target proteins such as FOXO4, TP53, MDM2, PTEN and DAXX. Together with DAXX, USP7 prevents MDM2 self-ubiquitination and enhances the E3 ligase activity of MDM2 towards TP53, thereby promoting TP53 ubiquitination and proteasomal degradation. USP7 deubiquitinates TP53 and MDM2 and strongly stabilizes TP53 even in the presence of excess MDM2, and also induces TP53-dependent cell growth repression and apoptosis. Deubiquitination of FOXO4 in presence of hydrogen peroxide is not dependent on TP53 and inhibits FOXO4-induced transcriptional activity. In association with DAXX, USP7 is involved in the deubiquitination and translocation of PTEN from the nucleus to the cytoplasm, both processes that are counteracted by PML. USP7 is involved in cell proliferation during early embryonic development. USP7 contributes to the overall stabilization and trans-activation capability of the herpesvirus 1 trans-acting transcriptional protein ICP0/VMW110 during HSV-1 infection.
Product Categories/Family for anti-USP7 antibody	Polyclonal; Transcription Regulation; Cell Biology; E3 & Ubiquitin; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	150378533
NCBI GeneID	7874
NCBI Accession #	NP_003461
NCBI GenBank Nucleotide #	NM_003470
UniProt Accession #	Q93009
Molecular Weight	128kDa
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
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 7
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 7
UniProt Gene Name	USP7
UniProt Synonym Gene Names	HAUSP
UniProt Entry Name	UBP7_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/usp7-antibody-western-blot-elisa/200896>