

Rabbit USP7 (HAUSP) Polyclonal Antibody | anti-USP7 antibody

USP7 (HAUSP) Antibody (C-term)

CATALOG # AAA286023	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

USP7 (HAUSP); Polyclonal Antibody; USP7 (HAUSP) Antibody (C-term); Ubiquitin carboxyl-terminal hydrolase 7; Deubiquitinating enzyme 7; Herpesvirus-associated ubiquitin-specific protease; Ubiquitin thioesterase 7; Ubiquitin-specific-processing protease 7; USP7; HAUSP; anti-USP7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This USP7 (HAUSP) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1060-1090 amino acids from the C-terminal region of human USP7 (HAUSP).
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	1060-1090
Sequence Length	1102
Applicable Applications for anti-USP7 antibody	IHC (Immunohistochemistry), 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



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human testis tissue reacted with USP7 antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-USP7 Pab is used in Western blot to detect USP7 in T-47D cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-USP7 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-USP7 antibody	Cancer; Cell Biology; Microbiology
References	Puente, X.S., et al., Nat. Rev. Genet. 4(7):544-558 (2003). Li, M., et al., Nature 416(6881):648-653 (2002). D'Andrea, A., et al., Crit. Rev. Biochem. Mol. Biol. 33(5):337-352 (1998). Everett, R.D., et al., EMBO J. 16(3):566-577 (1997). Everett, R.D., et al., EMBO J. 16(7):1519-1530 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	150378533
NCBI GeneID	7874
NCBI Accession #	NP_003461.2
NCBI GenBank Nucleotide #	NM_003470.2
UniProt Accession #	Q93009; A6NMY8; B7Z815; H0Y3G8
Molecular Weight	128302
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 7 isoform 1
NCBI Official Synonym Full Names	ubiquitin specific peptidase 7 (herpes virus-associated)
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.

