

Rabbit anti-Human USP3 Polyclonal Antibody | anti-USP3 antibody

USP3 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290398	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

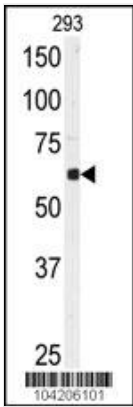
PRODUCT SYNONYMS

USP3; Polyclonal Antibody; USP3 Antibody (N-term); Ubiquitin carboxyl-terminal hydrolase 3; Deubiquitinating enzyme 3; Ubiquitin thioesterase 3; Ubiquitin-specific-processing protease 3; anti-USP3 antibody

PRODUCT SPECIFICATIONS

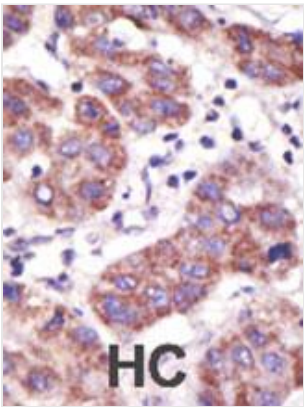
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This USP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 114-143 amino acids from the N-terminal region of human USP3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (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	114-143
Sequence Length	476
Applicable Applications for anti-USP3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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 anti-USP3 Antibody (N-term) in 293 cell line lysates (35ug/lane). USP3 (arrow) was detected using the purified Pab.



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 DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL INFORMATION

Related Product Information for anti-USP3 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-USP3 antibody	Cell Biology; Metabolism; Signal transduction
References	Puente, X.S., et al., Nat. Rev. Genet. 4(7):544-558 (2003). Sloper-Mould, K.E., et al., J. Biol. Chem. 274(38):26878-26884 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	375493565
NCBI GeneID	9960
NCBI Accession #	NP_001243631.1; NP_006528.2
NCBI GenBank Nucleotide #	NM_001256702.1
UniProt Accession #	Q9Y6I4; Q8WVD0; B4DVU5; F5H1A6
Molecular Weight	58897
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 3 isoform 2
NCBI Official Synonym Full Names	ubiquitin specific peptidase 3
NCBI Official Symbol	USP3
NCBI Official Synonym Symbols	UBP; SIH003
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 3

UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 3
UniProt Gene Name	USP3
UniProt Entry Name	UBP3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp3-antibody-western-blot-immunohistochemistry-elisa/290398>