

Rabbit anti-Human, rat USP2 Polyclonal Antibody | anti-USP2 antibody

USP2 Antibody (N-term)

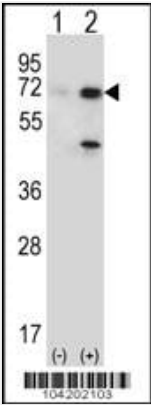
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285647	Rabbit	Human, rat	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

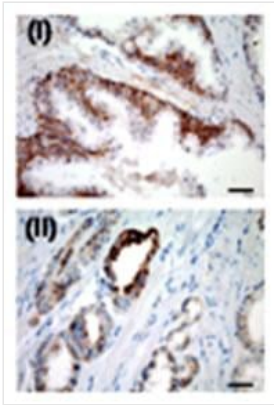
USP2; Polyclonal Antibody; USP2 Antibody (N-term); Ubiquitin carboxyl-terminal hydrolase 2; 41 kDa ubiquitin-specific protease; Deubiquitinating enzyme 2; Ubiquitin thioesterase 2; Ubiquitin-specific-processing protease 2; UBP41; anti-USP2 antibody

PRODUCT SPECIFICATIONS

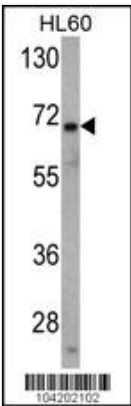
Host	Rabbit
Reactivity	Human, rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This USP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-101 amino acids from the N-terminal region of human USP2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (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	71-101
Sequence Length	362
Applicable Applications for anti-USP2 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.



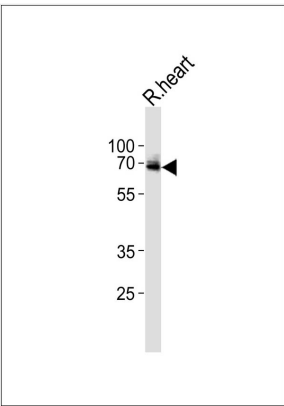
WB (Western Blot)
Western blot analysis of USP2 (arrow) using rabbit polyclonal USP2 Antibody (T22). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the USP2 gene.



IHC (Immunohistochemistry)
IHC for USP2a in a formalin-fixed, paraffin-embedded human prostate sample. Cytoplasmic positive immunostaining was detected in tumor glands (ii), whereas in normal prostatic epithelium, USP2a expression was restricted to the basal layer.



WB (Western Blot)
Western blot analysis of USP2 Antibody (N-term) in HL60 cell line lysates (35ug/lane). USP2 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysate from R. heart cell line, using USP2 Antibody (T22). AAA285647 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

ADDITIONAL INFORMATION

Related Product Information for anti-USP2 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-USP2 antibody	Cell Biology
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	344313155
NCBI GeneID	9099

NCBI Accession #	NP_001230688.1; NP_004196.4; NP_741994.1
NCBI GenBank Nucleotide #	NM_001243759.1
UniProt Accession #	O75604; Q8IUM2; Q8IW04; Q96MB9; Q9BQ21; B0YJB8; E9PPM2
Molecular Weight	68072
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 2 isoform c
NCBI Official Synonym Full Names	ubiquitin specific peptidase 2
NCBI Official Symbol	USP2
NCBI Official Synonym Symbols	USP9; UBP41
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 2
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 2
UniProt Gene Name	USP2
UniProt Synonym Gene Names	UBP41
UniProt Entry Name	UBP2_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://stage.aaabiotech.com/polyclonal/usp2-antibody-immunohistochemistry-western-blot-elisa/285647>