

Mouse USP5 Monoclonal Antibody | anti-USP5 antibody

USP5 antibody

CATALOG # AAA107274	HOST Mouse	APPLICATIONS Immunohistochemistry
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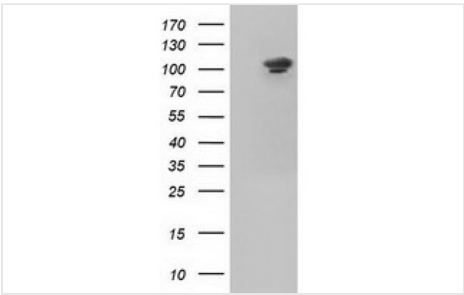
PRODUCT SYNONYMS

USP5; Monoclonal Antibody; USP5 antibody; Monoclonal USP5; Anti-USP5; Ubiquitin specific peptidase 5; ISOT; Deubiquitinating enzyme 5; Isopeptidase T; Ubiquitin carboxyl-terminal hydrolase 5; USP 5; USP-5; anti-USP5 antibody

PRODUCT SPECIFICATIONS

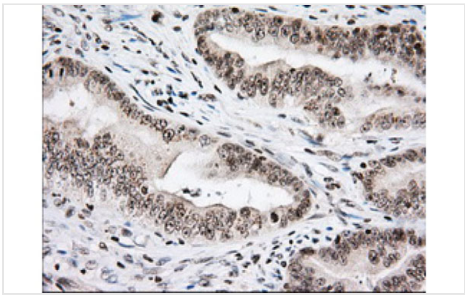
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	2 E3
Purity/Purification	USP5 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	835
Applicable Applications for anti-USP5 antibody	IHC (Immunohistochemistry)
Biological Significance	Ubiquitin is a highly conserved protein that is covalently linked to other proteins to regulate their function and degradation. This gene encodes a member of the ubiquitin-specific protease family of cysteine proteases. The enzyme specifically cleaves ubiquitin from ubiquitin-conjugated protein substrates. The protein is found in the nucleus and cytoplasm. It functions as a co-factor of the DNA-bound androgen receptor complex, and is inhibited by a protein in the Ras-GTPase pathway. The human genome contains several pseudogenes similar to this gene.
Cross-Reactivity	Human, Dog, Rat, Monkey
Immunogen	USP5 antibody was raised in mouse using a full length recombinant protein of human USP5 (NP_003472) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant USP5 protein (Right) or empty vector (Left) detected with USP5 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of USP5 protein in paraffin embedded Adenocarcinoma of Human colon tissue using USP5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-USP5 antibody	Mouse monoclonal USP5 antibody
Product Categories/Family for anti-USP5 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	148727247
NCBI GeneID	8078
NCBI Accession #	NP_003472
NCBI GenBank Nucleotide #	NM_003481.2
UniProt Accession #	P45974; Q96J22; D3DUS7; D3DUS8
Molecular Weight	93,308 Da
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 5 isoform 2
NCBI Official Synonym Full Names	ubiquitin specific peptidase 5 (isopeptidase T)
NCBI Official Symbol	USP5
NCBI Official Synonym Symbols	ISOT
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 5
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 5
UniProt Gene Name	USP5
UniProt Synonym Gene Names	ISOT
UniProt Entry Name	UBP5_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.