

Rabbit anti-Human USP4 Polyclonal Antibody | anti-USP4 antibody

USP4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234219	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

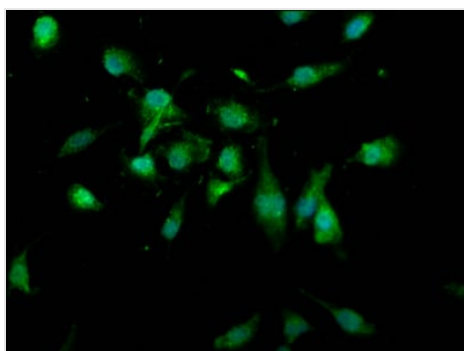
PRODUCT SYNONYMS

USP4; Polyclonal Antibody; USP4 Antibody; Ubiquitin carboxyl-terminal hydrolase 4; Deubiquitinating enzyme 4; Ubiquitin thioesterase 4; Ubiquitin-specific-processing protease 4; Ubiquitous nuclear protein homolog; UNP; UNPH; anti-USP4 antibody

PRODUCT SPECIFICATIONS

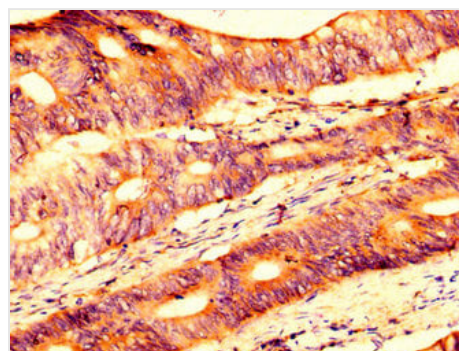
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	313
Applicable Applications for anti-USP4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 4 protein (632-810AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



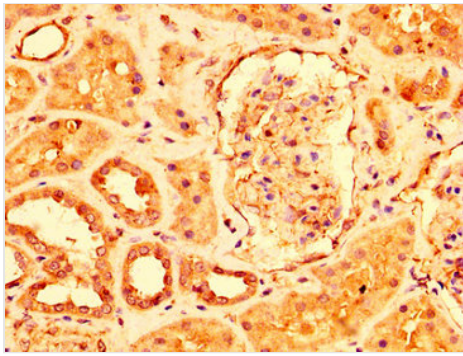
IF (Immunofluorescence)

Immunofluorescence staining of U251 cells with AAA234219 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



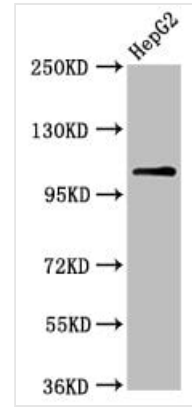
IHC (Immunohistochemistry)

IHC image of AAA234219 diluted at 1:500 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234219 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in: HepG2 whole cell lysate All lanes: USP4 antibody at 6.3ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 109, 104, 36 KDa Observed band size: 109 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-USP4 antibody	Hydrolase that deubiquitinates target proteins such as the receptor ADORA2A, PDPK1 and TRIM21. Deubiquitination of ADORA2A increases the amount of functional receptor at the cell surface. May regulate mRNA splicing through deubiquitination of the U4 spliceosomal protein PRPF3. This may prevent its recognition by the U5 component PRPF8 thereby destabilizing interactions within the U4/U6.U5 snRNP. May also play a role in the regulation of quality control in the ER.
Product Categories/Family for anti-USP4 antibody	Epigenetics and Nuclear Signaling; Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	353523825
NCBI GeneID	7375
NCBI Accession #	NP_001238806.1
NCBI GenBank Nucleotide #	NM_001251877.1
UniProt Accession #	Q13107; O43452; O43453; Q08AK8; A8K6Y0; C9IY91
Molecular Weight	35,661 Da
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 4 isoform c
NCBI Official Synonym Full Names	ubiquitin specific peptidase 4
NCBI Official Symbol	USP4
NCBI Official Synonym Symbols	UNP; Unph
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 4
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 4
UniProt Gene Name	USP4
UniProt Synonym Gene Names	UNP; UNPH

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.