

Rabbit PTP4A2 Polyclonal Antibody | anti-PTP4A2 antibody

PTP4A2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312902	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PTP4A2; Polyclonal Antibody; PTP4A2 Polyclonal Antibody; HH13; HH7-2; HU-PP-1; OV-1; PRL-2; PRL2; PTP4A; PTPCAAX2; ptp-IV1a; ptp-IV1b; anti-PTP4A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 105% glycerol. PBS with 0.02% sodium azide, 50% glycerol, pH7.58
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PTP4A2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human PTP4A2 (NP_536316.1)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



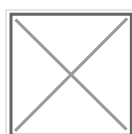
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse lung using PTP4A2 antibody at dilution of 1:100 .



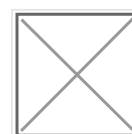
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon using PTP4A2 antibody at dilution of 1:100 .



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using PTP4A2 antibody at dilution of 1:100 .



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using PTP4A2 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PTP4A2 antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PTP4A2 antibody	The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17.
Product Categories/Family for anti-PTP4A2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	18104971
NCBI GeneID	8073
NCBI Accession #	NP_536316.1
NCBI GenBank Nucleotide #	NM_080391.3
UniProt Accession #	Q12974; O00649; Q15197; Q15259; Q15260; Q15261; A8K9I8; B4DM39; D3DPP0; E9PGJ6; R4GN50
Molecular Weight	19,127 Da
NCBI Official Full Name	protein tyrosine phosphatase type IVA 2 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase type IVA, member 2
NCBI Official Symbol	PTP4A2
NCBI Official Synonym Symbols	HH13; OV-1; PRL2; HH7-2; PRL-2; PTP4A; HU-PP-1; PTPCAAX2; ptp-IV1a; ptp-IV1b
NCBI Protein Information	protein tyrosine phosphatase type IVA 2; PTP(CAAXII); protein tyrosine phosphatase IVA; protein-tyrosine phosphatase 4a2; protein tyrosine phosphatase IVA2; phosphatase of regenerating liver 2; protein-tyrosine phosphatase of regenerating liver 2
UniProt Protein Name	Protein tyrosine phosphatase type IVA 2
UniProt Gene Name	PTP4A2
UniProt Synonym Gene Names	PRL2; PTPCAAX2; PRL-2
UniProt Entry Name	TP4A2_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.