

Rabbit PTPRO Polyclonal Antibody | anti-PTPRO antibody

PTPRO Antibody

CATALOG # AAA322958	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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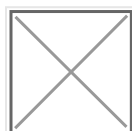
PRODUCT SYNONYMS

PTPRO; Polyclonal Antibody; PTPRO Antibody; anti-PTPRO antibody

PRODUCT SPECIFICATIONS

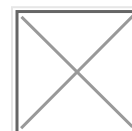
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PTPRO antibody detects endogenous levels of PTPRO.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1433
Applicable Applications for anti-PTPRO antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PTPRO.
Subcellular Location	Plasma Membrane
Tissue Specificity	High levels in brain, pancreas, and skeletal muscle; less in colon, kidney, liver, stomach, and uterus; not expressed in placenta and spleen. Also detected in heart, prostate, lung, thymus, testis and ovary. Ubiquitously expressed in brain. Expressed by hematopoietic stem cells.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog, Chicken
Similarity	Pig (92%), Bovine (92%), Sheep (92%), Dog (92%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322958 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from human liver, using PTPRO antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRO antibody	Function: Tyrosine-protein phosphatase which dephosphorylates CTNNB1. Regulates CTNNB1 function both in cell adhesion and signaling. May function in cell proliferation and migration and play a role in the maintenance of epithelial integrity. May play a role in megakaryocytopoiesis. Subunit Structure: Forms homooligomeric complexes which mediate cell homotypic adhesion (Probable). Interacts (via the cytoplasmic juxtamembrane domain) with CTNNB1; may mediate interaction with the cadherin/catenin adhesion complex. Interacts with KIT. May interact with AP3B1. Post-translational Modifications: The extracellular domain is proteolytically processed through cleavage within the fibronectin type-III 4 domain (By similarity). In addition to the 190 kDa full-length protein, proteolytic products of 100 kDa, 80 kDa and 73 kDa are observed. N-glycosylated. Phosphorylated on tyrosine residues upon activation of KIT with stem cell factor (SCF). The 73 kDa proteolytic product is not phosphorylated. Similarity: Belongs to the protein-tyrosine phosphatase family. Receptor class 2B subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	303304997
NCBI GeneID	10076
NCBI Accession #	NP_001181930.1
NCBI GenBank Nucleotide #	NM_001195001.1
UniProt Accession #	Q92729; O00197; P78399; Q59HA4; Q5SYU4; Q5SYU5; Q92735; Q92850; A6H8L1
Molecular Weight	Observed: 138 kDa Predicted: 163 kDa
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase U isoform 4
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type U
NCBI Official Symbol	PTPRU
NCBI Official Synonym Symbols	FMI; PTP; PCP-2; PTP-J; PTPRO; PTPU2; PTP-PI; PTP-RO; PTPPSI; hPTP-J; R-PTP-U; R-PTP-PSI
NCBI Protein Information	receptor-type tyrosine-protein phosphatase U
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase U
UniProt Gene Name	PTPRU
UniProt Synonym Gene Names	FMI; PCP2; PTPRO; R-PTP-U; PCP-2; PTP-J; hPTP-J; PTP pi; PTP-RO; R-PTP-psi

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/ptpro-antibody-immunohistochemistry-western-blot-elisa/322958>