

Rabbit PTPRA / RPTP-Alpha Polyclonal Antibody | anti-PTPRA antibody

Rabbit Polyclonal to Human PTPRA / RPTP-Alpha

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51976	Rabbit	Bat, Gibbon, Bovine, Dog, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit Predicted Reactivity: Rat (at least 90% immunogen sequence identity)	Immunohistochemistry

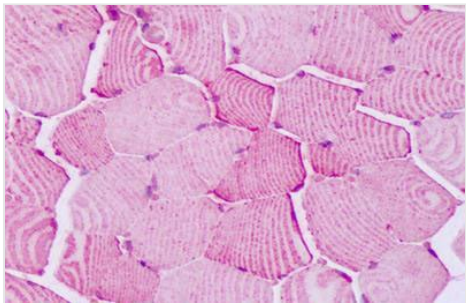
PRODUCT SYNONYMS

PTPRA / RPTP-Alpha; Polyclonal Antibody; Rabbit Polyclonal to Human PTPRA / RPTP-Alpha; Anti-PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) IHC-plus; PTPRA; HLPR; Hptp alpha; HEPTP; HPTPA; PTPA; Ptpalpha; PTPRL2; PTP alpha; PTPLCA-related phosphatase; R-PTP-alpha; RPTPA; Rptpalph; Tyrosine phosphatase alpha; RPTP alpha; HPTPalph; LRP; PTPase-alpha; Human PTPRA; RPTP-Alpha; anti-PTPRA antibody

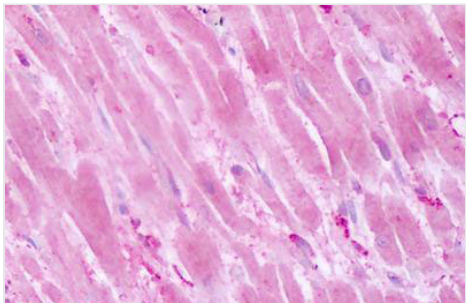
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Bovine, Dog, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit Predicted Reactivity: Rat (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human PTPRA. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	802
Applicable Applications for anti-PTPRA antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from cytoplasmic domain of human PTPRA. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Hamster, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig (100%); Rat (94%).
Immunogen Type	Synthetic peptide
Immunogen	PTPRA / RPTP-Alpha antibody was raised against synthetic 17 amino acid peptide from cytoplasmic domain of human PTPRA. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Hamster, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig (100%); Rat (94%); Elephant, Turkey, Chicken (88%); Xenopus (82%).
Antigen Modification	Cytoplasmic Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-PTPRA antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.



IHC (Immunohistochemistry)
Anti-PTPRA antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRA antibody	PTP alpha, a R4 receptor protein tyrosine phosphatase, is implicated in neuron formation, retinal development, cell adhesion, potassium channel regulation, nerve repair, insulin signaling, and cell cycle regulation. PTP alpha activates the Src protein tyrosine kinase during mitosis, resulting in the transition from G2 to mitosis in the cell cycle. PTP alpha is associated with carcinomas of breast, colon, oral squamous cell and prostate.
Product Categories/Family for anti-PTPRA antibody	Family: Protein Phosphatase; Subfamily: R4

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506303
NCBI GeneID	5786
NCBI Accession #	NP_002827.1
NCBI GenBank Nucleotide #	NM_002836.3
UniProt Accession #	P18433; Q14513; Q7Z2I2; Q96TD9; A8K2G8; D3DVX5
Molecular Weight	89,703 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase alpha isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, A
NCBI Official Symbol	PTPRA
NCBI Official Synonym Symbols	LRP; HLPR; PTPA; HEPTP; HPTPA; RPTPA; PTPRL2; HPTPalpha; R-PTP-alpha
NCBI Protein Information	receptor-type tyrosine-protein phosphatase alpha; PTPase-alpha; PTPLCA-related phosphatase; tyrosine phosphatase alpha; protein-tyrosine phosphatase alpha; protein tyrosine phosphatase, receptor type, alpha polypeptide; Leukocyte common antigen-related peptide (protein tyrosine phosphate)
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase alpha
UniProt Gene Name	PTPRA
UniProt Synonym Gene Names	PTPA; PTPRL2; Protein-tyrosine phosphatase alpha; R-PTP-alpha
UniProt Entry Name	PTPRA_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.