

Rabbit PTPRE / PTP Epsilon Polyclonal Antibody | anti-PTPRE antibody

Rabbit Polyclonal to Human PTPRE / PTP Epsilon

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51393	Rabbit	Bat, Gibbon, Bovine, Chicken, Dog, Hamster, Horse, Human, Monkey Predicted Reactivity: Mouse, Rat, Xenopus, Zebrafish (at least 90% immunogen sequence identity)	Immunohistochemistry

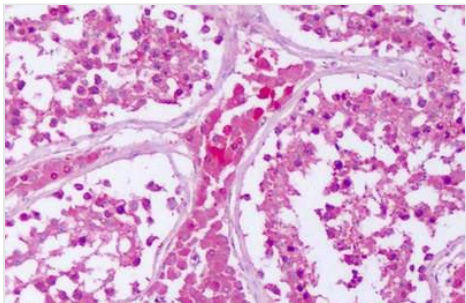
PRODUCT SYNONYMS

PTPRE / PTP Epsilon; Polyclonal Antibody; Rabbit Polyclonal to Human PTPRE / PTP Epsilon; Anti-PTPRE / PTP Epsilon Antibody (Cytoplasmic Domain) IHC-plus; PTPRE; HPTPE; PTPE; Ptpepsilon; R-PTP-EPSILON; PTPvarepsilon; PTP epsilon; Human PTPRE; PTP Epsilon; anti-PTPRE antibody

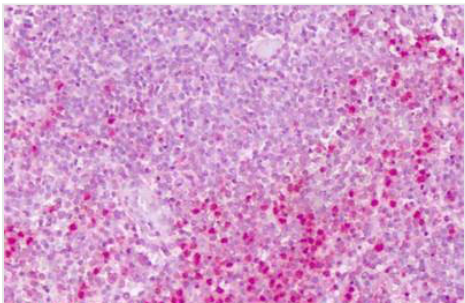
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Bovine, Chicken, Dog, Hamster, Horse, Human, Monkey Predicted Reactivity: Mouse, Rat, Xenopus, Zebrafish (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human PTPRE. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PTPRA (67%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	700
Applicable Applications for anti-PTPRE antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 18 amino acid peptide from cytoplasmic domain of human PTPRE. Percent identity with other species by BLAST analysis: Human, Gibbon (100%); Monkey (94%); Marmoset, Rat, Hamster, Panda, Dog, Bovine (89%); Mouse, Horse (83%).
Immunogen Type	Synthetic peptide
Immunogen	PTPRE / PTP Epsilon antibody was raised against synthetic 18 amino acid peptide from cytoplasmic domain of human PTPRE. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Hamster, Elephant, Panda, Dog, Bat, Bovine, Horse, Opossum, Turkey, Chicken, Platypus, Lizard (100%); Mouse, Rat, Xenopus, Zebrafish (94%); Seabass, Pufferfish (89%); Stickleback, Medaka (83%).
Antigen Modification	Cytoplasmic Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-PTPRE antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 3-6 ug/ml.



IHC (Immunohistochemistry)
Anti-PTPRE antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 3-6 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRE antibody	PTP epsilon, an R4 receptor protein tyrosine phosphatase, is composed of a short extracellular and two cytoplasmic protein phosphatase domains and has been shown to affect neuronal differentiation, endothelial cell growth, vascular development, and possibly mammary tumor development. It has been shown that the cytosolic form of PTP epsilon can be induced by IL-1 and TNF alpha in humans and is a negative regulator of IL-6- and LIF-induced Jak-STAT kinase signaling in rats.
Product Categories/Family for anti-PTPRE antibody	Family: Protein Phosphatase; Subfamily: R4

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729993
NCBI GeneID	5791
NCBI Accession #	NP_006495.1
NCBI GenBank Nucleotide #	NM_006504.4
UniProt Accession #	P23469; Q13345; Q5VWH3; Q5VWH4; Q96KQ6
Molecular Weight	71,382 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase epsilon isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, E
NCBI Official Symbol	PTPRE
NCBI Official Synonym Symbols	PTPE; HPTPE; R-PTP-EPSILON
NCBI Protein Information	receptor-type tyrosine-protein phosphatase epsilon; protein tyrosine phosphatase, receptor type, epsilon polypeptide
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase epsilon
UniProt Gene Name	PTPRE
UniProt Synonym Gene Names	Protein-tyrosine phosphatase epsilon; R-PTP-epsilon
UniProt Entry Name	PTPRE_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.