

Rabbit PTPRE Polyclonal Antibody | anti-PTPRE antibody

PTPRE Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284657	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Western Blot, Immunohistochemistry, ELISA

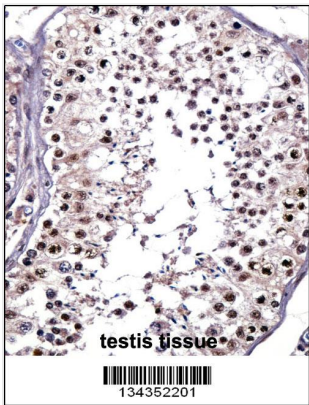
PRODUCT SYNONYMS

PTPRE; Polyclonal Antibody; PTPRE Antibody (N-term); Receptor-type tyrosine-protein phosphatase epsilon; Protein-tyrosine phosphatase epsilon; R-PTP-epsilon; anti-PTPRE antibody

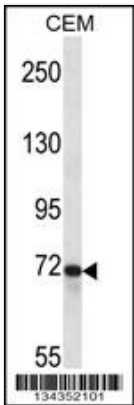
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTPRE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 134-163 amino acids from the N-terminal region of human PTPRE.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.48 (varies by lot)
Sequence Positions	134-163
Sequence Length	700
Applicable Applications for anti-PTPRE antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
PTPRE Antibody (N-term) (AAA284657)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PTPRE Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PTPRE Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the PTPRE antibody detected the PTPRE protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRE antibody	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Two alternatively spliced transcript variants of this gene have been reported, one of which encodes a receptor-type PTP that possesses a short extracellular domain, a single transmembrane region, and two tandem intracytoplasmic catalytic domains; Another one encodes a PTP that contains a distinct hydrophilic N-terminus, and thus represents a nonreceptor-type isoform of this PTP. Studies of the similar gene in mice suggested the regulatory roles of this PTP in RAS related signal transduction pathways, cytokines induced SATA signaling, as well as the activation of voltage-gated K+ channels. [provided by RefSeq].
Product Categories/Family for anti-PTPRE antibody	Signal Transduction
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Barr, A.J., et al. Cell 136(2):352-363(2009) Kraut-Cohen, J., et al. J. Biol. Chem. 283(8):4612-4621(2008) Tremblay, K., et al. PLoS ONE 3 (8), E2907 (2008) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729993
NCBI GeneID	5791
NCBI Accession #	NP_006495.1; NP_569119.1
NCBI GenBank Nucleotide #	NM_006504.4
UniProt Accession #	P23469; Q13345; Q5VWH3; Q5VWH4; Q96KQ6
Molecular Weight	80642
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptpre-antibody-western-blot-immunohistochemistry-elisa/284657>