

Rabbit anti-Human, Rat PTPRB Polyclonal Antibody | anti-PTPRB antibody

PTPRB Antibody

CATALOG # AAA328139	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Western Blot
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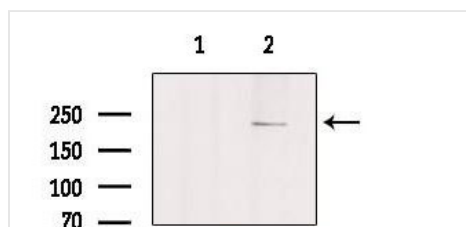
PRODUCT SYNONYMS

PTPRB; Polyclonal Antibody; PTPRB Antibody; anti-PTPRB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PTPRB antibody detects endogenous levels of total PTPRB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2215
Applicable Applications for anti-PTPRB antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human PTPRB, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Pc12, using PTPRB Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRB antibody	Function: Plays an important role in blood vessel remodeling and angiogenesis. Not necessary for the initial formation of blood vessels, but is essential for their maintenance and remodeling. Can induce dephosphorylation of TEK/TIE2, CDH5/VE-cadherin and KDR/VEGFR-2. Regulates angiopoietin-TIE2 signaling in endothelial cells. Acts as a negative regulator of TIE2, and controls TIE2 driven endothelial cell proliferation, which in turn affects blood vessel remodeling during embryonic development and determines blood vessel size during perinatal growth. Essential for the maintenance of endothelial cell contact integrity and for the adhesive function of VE-cadherin in endothelial cells and this requires the presence of plakoglobin (By similarity). Similarity: Belongs to the protein-tyrosine phosphatase family. Receptor class 3 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157952215
NCBI GeneID	5787
NCBI Accession #	NP_001103224.1
NCBI GenBank Nucleotide #	NM_001109754.3
UniProt Accession #	P23467; Q14D85; Q3MIV7; B7ZKS8; B7ZKT0; C9JX87; F5H3G6
Molecular Weight	224 kDa
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase beta isoform a
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type B
NCBI Official Symbol	PTPRB
NCBI Official Synonym Symbols	PTPB; HPTPB; VEPTP; HPTP-BETA; R-PTP-BETA
NCBI Protein Information	receptor-type tyrosine-protein phosphatase beta
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase beta
UniProt Gene Name	PTPRB
UniProt Synonym Gene Names	PTPB; Protein-tyrosine phosphatase beta; R-PTP-beta; VE-PTP

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.