
Product Name: PTPRB Rabbit Polyclonal Antibody**Catalog #: APRab16669**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	219kDa

Antigen Information

Gene Name	PTPRB PTPB
Alternative Names	
Gene ID	5787.0
SwissProt ID	P23467
Immunogen	Synthesized peptide derived from human protein . at AA range: 280-360

Background

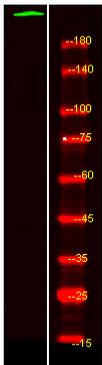
The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and one intracytoplasmic catalytic

domain, thus belongs to receptor type PTP. The extracellular region of this PTP is composed of multiple fibronectin type_III repeats, which was shown to interact with neuronal receptor and cell adhesion molecules, such as contactin and tenascin C. This protein was also found to interact with sodium channels, and thus may regulate sodium channels by altering tyrosine phosphorylation status. The functions of the interaction partners of this protein implicate the roles of this PTP in cell adhesion, neurite growth, catalytic activity: Protein tyrosine phosphate + H₂O = protein tyrosine + phosphate., similarity: Belongs to the protein-tyrosine phosphatase family. Receptor class 3 subfamily., similarity: Contains 1 tyrosine-protein phosphatase domain., similarity: Contains 17 fibronectin type-III domains., subunit: Interacts with MAGI3.,

Research Area

Adherens_Junction;

Image Data



Western Blot analysis of HEK293 lysis, using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000