

Immunotag™ PTPRB Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1193
Product Description	Immunotag™ PTPRB Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PTPRB
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 280-360
Specificity	PTPRB Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	PTPRB PTPB
Accession No.	P23467 B2RU80

Antibody Specification

Description	protein tyrosine phosphatase, receptor type B(PTPRB) Homo sapiens 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 gro
Cell Pathway/ Category	Adherens_Junction,
Protein Expression	Endometrium,Epithelium,Human fetal kidney,Placenta,Spleen,T
Subcellular Localization	integral component of plasma membrane,receptor complex,
Protein Function	catalytic activity:Protein tyrosine phosphate + H(2)O = 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.