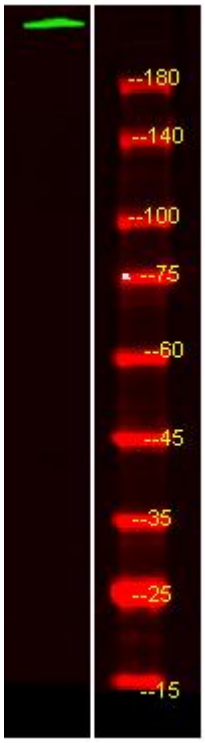
PTPRB Monoclonal Antibody

Catalog No	YP-mAb-06064
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PTPRB PTPB
Protein Name	Receptor-type tyrosine-protein phosphatase beta (Protein-tyrosine phosphatase beta) (R-PTP-beta) (EC 3.1.3.48) (Vascular endothelial protein tyrosine phosphatase) (VE-PTP)
Immunogen	Synthesized peptide derived from human protein . at AA range: 280-360
Specificity	PTPRB Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	219kD
Cell Pathway	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	Endometrium,Epithelium,Human fetal kidney,Placenta,Spleen,T
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.,
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 gro
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PTPRB Monoclonal Antibody