

**PTPRM Polyclonal Antibody**

<b>Catalog No :</b>	YN2112
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	PTPRM
<b>Fields :</b>	>>Cell adhesion molecules;>>Adherens junction
<b>Gene Name :</b>	PTPRM PTPRL1
<b>Protein Name :</b>	Receptor-type tyrosine-protein phosphatase mu (Protein-tyrosine phosphatase mu) (R-PTP-mu) (EC 3.1.3.48)
<b>Human Gene Id :</b>	5797
<b>Human Swiss Prot No :</b>	P28827
<b>Mouse Swiss Prot No :</b>	P28828
<b>Immunogen :</b>	Synthesized peptide derived from part region of human protein. AA range 21-61
<b>Specificity :</b>	PTPRM Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 159kD

**Cell Pathway :** Cell adhesion molecules (CAMs);Adherens\_Junction;

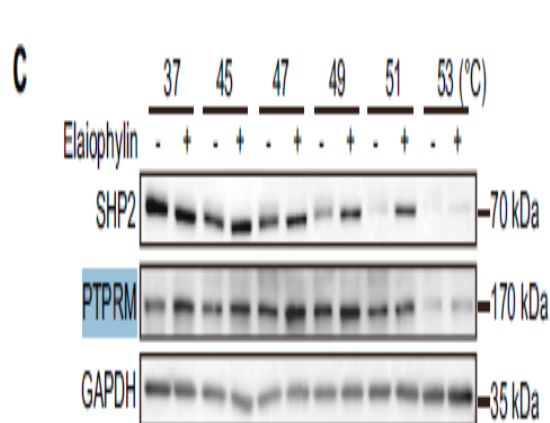
**Background :** The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP has been shown to mediate cell-cell aggregation through the interaction with another molecule of this PTP on an adjacent cell. This PTP can interact with scaffolding protein RACK1/GNB2L1, which may be necessary for the downstream signaling in response to cell-cell adhesion. Alternative splicing results in multiple transcrip

**Function :** catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Involved in cell-cell adhesion through homophilic interactions. May play a key role in signal transduction and growth control.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 2B subfamily.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 MAM domain.,similarity:Contains 1 tyrosine-protein phosphatase domain.,similarity:Contains 2 tyrosine-protein phosphatase domains.,similarity:Contains 4 fibronectin type-III domains.,

**Subcellular Location :** Cell membrane ; Single-pass type I membrane protein. Localizes in regions of cell-cell contact. .

**Expression :** Brain,Clones donated by RIKEN,Plasma,Testis,

## Products Images



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