

Immunotag™ PTPRM Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN2112
Product Description	Immunotag™ PTPRM 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	PTPRM
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,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PTPRM 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	PTPRM PTPRL1
Accession No.	P28827 P28828

Antibody Specification

Description	protein tyrosine phosphatase, receptor type M(PTPRM) 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 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
Cell Pathway/ Category	Cell adhesion molecules (CAMs),Adherens_Junction,
Protein Expression	Brain,Clones donated by RIKEN,Plasma,Testis,
Subcellular Localization	cytoplasm,integral component of plasma membrane,cell-cell junction,cell-cell adherens junction,integral component of membrane,lamellipodium,perinuclear region of cytoplasm,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.