

PTPRF Polyclonal Antibody

Catalog No :	YN2203
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	PTPRF
Fields :	>>Cell adhesion molecules;>>Adherens junction;>>Insulin signaling pathway;>>Insulin resistance
Gene Name :	PTPRF LAR
Protein Name :	Receptor-type tyrosine-protein phosphatase F (EC 3.1.3.48) (Leukocyte common antigen related) (LAR)
Human Gene Id :	5792
Human Swiss Prot No :	P10586
Mouse Swiss Prot No :	A2A8L5
Rat Swiss Prot No :	Q64604
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	PTPRF Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)**Observed Band :** full lenth:209kD, Mature:140-150kD**Cell Pathway :** Cell adhesion molecules (CAMs);Adherens_Junction;Insulin_Receptor;**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 intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pat

Function :

catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase).,function:The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 2A subfamily.,similarity:Contains 2 tyrosine-protein phosphatase domains.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,similarity:Contains 8 fibronectin type-III domains.,subunit:Interacts with GRIP1 (By similarity). Interacts with PPFIA1, PPFIA2 and PPFIA3.,

Subcellular Location : Membrane; Single-pass type I membrane protein.**Expression :** Brain,Human cervix,Plasma,Retinoblastoma,Tonsil,

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