



# PTPRF Monoclonal Antibody

Catalog No	BYmab-07065
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	PTPRF LAR
Protein Name	Receptor-type tyrosine-protein phosphatase F (EC 3.1.3.48) (Leukocyte common antigen related) (LAR)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PTPRF 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	209kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Brain,Human cervix,Plasma,Retinoblastoma,Tonsil,
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.,
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

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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 adherens 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

**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

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