



PTPRF Polyclonal Antibody

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| Catalog No | BYab-07065 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse |
| Applications | WB;ELISA |
| 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 Polyclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 ELISA 1:5000-20000 |
| 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 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

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