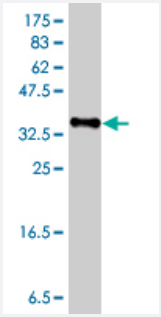
PTPRF polyclonal antibody (A01)

Catalog # H00005792-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PTPRF.
Immunogen	PTPRF (NP_002831, 1788 a.a. ~ 1897 a.a) partial recombinant protein with GST tag.
Sequence	FQFTDWPEQGVPKTGEGFIDFIGQVHKTKEQFGQDGPITVHCSAGVGRTGVFITLSIVLERMRYEG VVDMFQTVKTLRTQRPAMVQTEDQYQLCYRAALEYLGSFDHYAT
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — PTPRF

Entrez GeneID	5792
GeneBank Accession#	NM_002840
Protein Accession#	NP_002831
Gene Name	PTPRF
Gene Alias	FLJ43335, FLJ45062, FLJ45567, LAR
Gene Description	protein tyrosine phosphatase, receptor type, F
Omim ID	179590
Gene Ontology	Hyperlink
Gene Summary	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 c ell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an ext racellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic dom ains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like dom ains, 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 i n the control of beta-catenin signaling. An increased expression level of this protein was found in t he insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the path ogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which enc ode distinct proteins, have been reported. [provided by RefSeq
Other Designations	LCA-homolog|OTTHUMP00000008684|leukocyte antigen-related (LAR) PTP receptor|leukocyte antigen-related tyrosine phosphatase|protein tyrosine phosphatase, receptor type, F polypeptide|r eceptor-linked protein-tyrosine phosphatase LAR

Pathway

- Adherens junction
- Cell adhesion molecules (CAMs)

- Insulin signaling pathway

Disease

- Diabetes Mellitus
- Insulin Resistance
- Obesity