

DNAxPAb

Hard-to-Find
Antibody

PTPRF DNAxPab

Catalog # H00005792-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PTPRF DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAPEPAPGRTMVPLVPALVMLGLVAGAHGDSKPVFIKVPEDQTGLSGGVASFVCQATGEPKPRI TWMKKGKKVSSQRFEVIEFDDGAGSVLRIQPLRVQRDEAIECTATNSLGEINTSAKLSVLEEEQL PPGFPSIDMGPKLVVEKARTATMLCAAGGNPDPEISWFKDFLPVDPATSNRIKQLRSGGSPRI GALQIESSEESDQGYECVATNSAGTRYAPANLYVRGKDSGSAWPLSPQSCAAPAGLSAQSP WCRHARDCHGPSLFSFLLLSAAAATAPTQVPGVCHYFAFLPCRPMGKQPLLGAFFVSFVGLAA WARSPMGWSPHPIRLGLVCACVCAHTGTLCV
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PTPRF

Entrez GeneID [5792](#)

GeneBank Accession# [ENST00000372411](#)

Protein Accession# [ENSP00000361488](#)

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 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 pathogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which encode 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|receptor-linked protein-tyrosine phosphatase LAR

Pathway

- [Adherens junction](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Insulin signaling pathway](#)

Disease

- [Diabetes Mellitus](#)
- [Insulin Resistance](#)
- [Obesity](#)