

PTPRM Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2672a

Specification

PTPRM Antibody (internal region) - Product Information

Application	IHC
Primary Accession	P28827
Other Accession	NP_001098714.1 , NP_002836.3 , 5797
Predicted	Human, Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	163682

PTPRM Antibody (internal region) - Additional Information

Gene ID 5797

Other Names

Receptor-type tyrosine-protein phosphatase mu, Protein-tyrosine phosphatase mu, R-PTP-mu, 3.1.3.48, PTPRM, PTPRL1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PTPRM Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PTPRM Antibody (internal region) - Protein Information

Name PTPRM

Synonyms PTPRL1

Function

Receptor protein-tyrosine phosphatase that mediates homotypic cell-cell interactions and plays a role in adipogenic differentiation via modulation of p120 catenin/CTNND1 phosphorylation (PubMed: [17761881](http://www.uniprot.org/citations/17761881), PubMed: [10753936](http://www.uniprot.org/citations/10753936)). Promotes CTNND1 dephosphorylation and prevents its cytoplasmic localization where it inhibits

SLC2A4 membrane trafficking. In turn, SLC2A4 is directed to the plasma membrane and performs its glucose transporter function (PubMed:21998202).

Cellular Location

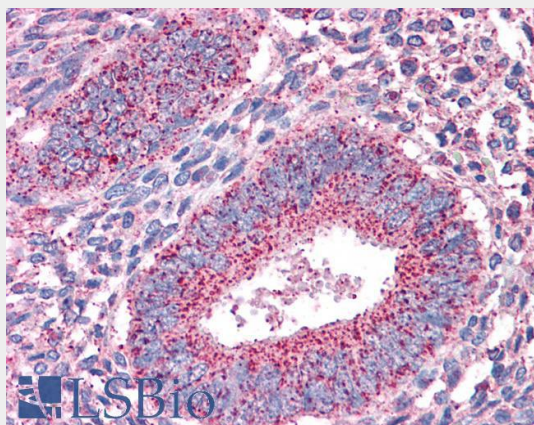
Cell membrane; Single-pass type I membrane protein. Note=Localizes in regions of cell- cell contact.

PTPRM Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTPRM Antibody (internal region) - Images



AF2672a (3.75 µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

PTPRM Antibody (internal region) - Background

This antibody is expected to recognise both reported isoforms (NP_001098714.1 and NP_002836.3).

PTPRM Antibody (internal region) - References

Molecular analysis of receptor protein tyrosine phosphatase mu-mediated cell adhesion. Aricescu AR, Hon WC, Siebold C, Lu W, van der Merwe PA, Jones EY. EMBO J. 2006 Feb 22;25(4):701-12. Epub 2006 Feb 2. PMID: 16456543