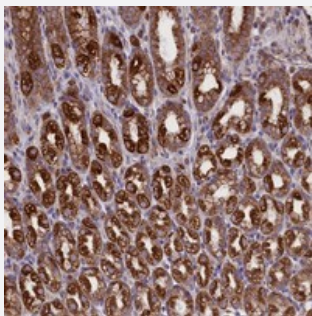


PTPRU polyclonal antibody

Catalog # PAB23587 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach with PTPRU polyclonal antibody (Cat # PAB23587) shows strong cytoplasmic positivity in glandular cells at 1:200-1:500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant PTPRU.
Immunogen	Recombinant protein corresponding to amino acids of human PTPRU.
Sequence	TFEEASDPAVPCEYSQAQYDDFQWEQVRIHPGTRAPADLPHGSYLMVNTSQHAPGQRAHVIFQSLSENDTHCVQFSYFLYSRDG
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — PTPRU

Entrez GeneID[10076](#)**Protein Accession#**[Q92729](#)**Gene Name**

PTPRU

Gene Alias

FLJ37530, FMI, GLEPP1, PCP-2, PTP, PTP-J, PTP-PI, PTPPSI, PTPRO, PTPU2, R-PTP-PSI, hPTP-J

Gene Description

protein tyrosine phosphatase, receptor type, U

Omim ID[602454](#)**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 intracellular catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP (MAM) domain, Ig-like and fibronectin type III-like repeats. This PTP was thought to play roles in cell-cell recognition and adhesion. Studies of the similar gene in mice suggested the role of this PTP in early neural development. The expression of this gene was reported to be regulated by phorbol myristate acetate (PMA) or calcium ionophore in Jurkat T lymphoma cells. Three alternatively spliced transcript variants, which encode distinct proteins, have been reported. [provided by RefSeq]

Other Designations

OTTHUMP00000003801|OTTHUMP00000003802|Receptor protein tyrosine phosphatase hPTP-J|pi R-PTP-Psi|protein tyrosine phosphatase J|protein tyrosine phosphatase receptor omicron

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)