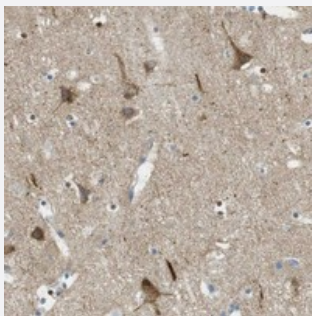


PTPRZ1 polyclonal antibody

Catalog # PAB20795 Size 100 uL

Applications



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

Immunohistochemical staining of human cerebral cortex with PTPRZ1 polyclonal antibody (Cat # PAB20795) shows cytoplasmic positivity in neuronal cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant PTPRZ1.
Immunogen	Recombinant protein corresponding to amino acids of human PTPRZ1.
Sequence	LFRHLHTVSQILPQVTSATESDKVPLHASLPVAGGDLLEPSLAQYSDVLSTTHAASETLEFGSES GVLYKTLMFSSQVEPPSSDAMMHARSSGPEPSYALSDNEGSQHIFTVSYSIPAIPVHDSVGVTYQG SLFSGPSHIPKSSLIT
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) 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 — PTPRZ1

Entrez GeneID

[5803](#)

Protein Accession#

[P23471](#)

Gene Name

PTPRZ1

Gene Alias

HPTPZ, HPTPzeta, PTP-ZETA, PTP18, PTPRZ, PTPZ, RPTPB, RPTPbeta, phosphacan

Gene Description

protein tyrosine phosphatase, receptor-type, Z polypeptide 1

Omim ID

[176891 600263](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene is a member of the receptor type protein tyrosine phosphatase family and encodes a single-pass type I membrane protein with two cytoplasmic tyrosine-protein phosphatase domains, an alpha-carbonic anhydrase domain and a fibronectin type-III domain. Expression of this gene is induced in gastric cancer cells, in the remyelinating oligodendrocytes of multiple sclerosis lesions, and in human embryonic kidney cells under hypoxic conditions. Both the protein and transcript are overexpressed in glioblastoma cells, promoting their haptotactic migration. Alternative splice variants that encode different protein isoforms have been described but their full-length nature has not been determined. [provided by RefSeq]

Other Designations

protein tyrosine phosphatase, receptor-type, zeta polypeptide 1|protein tyrosine phosphatase, receptor-type, zeta1|receptor-type tyrosine phosphatase beta/zeta

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Schizophrenia](#)