

PTPRZ1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21103a**Specification**

PTPRZ1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P23471
Other Accession	Q62656
Reactivity	Human
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	254587

PTPRZ1 Antibody (N-term) - Additional Information**Gene ID** 5803**Other Names**

Receptor-type tyrosine-protein phosphatase zeta, R-PTP-zeta, Protein-tyrosine phosphatase receptor type Z polypeptide 1, Protein-tyrosine phosphatase receptor type Z polypeptide 2, R-PTP-zeta-2, PTPRZ1, HTPZP2, PTPRZ, PTPRZ2, PTPZ

Target/Specificity

This PTPRZ1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 446-480 amino acids from the N-terminal region of human PTPRZ1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

PTPRZ1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTPRZ1 Antibody (N-term) - Protein Information**Name** PTPRZ1

Synonyms HTPZP2, PTPRZ, PTPRZ2, PTPZ

Function Protein tyrosine phosphatase that negatively regulates oligodendrocyte precursor proliferation in the embryonic spinal cord. Required for normal differentiation of the precursor cells into mature, fully myelinating oligodendrocytes. May play a role in protecting oligodendrocytes against apoptosis. May play a role in the establishment of contextual memory, probably via the dephosphorylation of proteins that are part of important signaling cascades (By similarity).

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein. Secreted. Note=A secreted form is apparently generated by shedding of the extracellular domain

Tissue Location

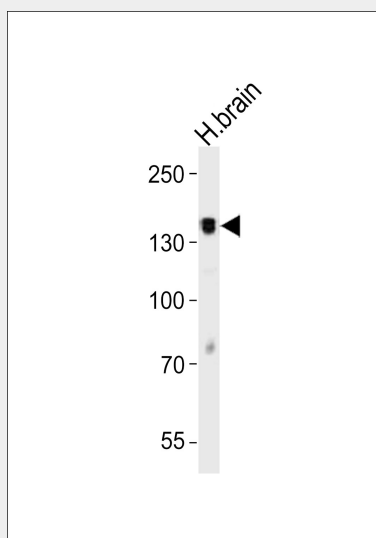
Specifically expressed in the central nervous system, where it is localized in the Purkinje cell layer of the cerebellum, the dentate gyrus, and the subependymal layer of the anterior horn of the lateral ventricle. Developmentally regulated in the brain.

PTPRZ1 Antibody (N-term) - 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](#)

PTPRZ1 Antibody (N-term) - Images



Western blot analysis of lysate from human brain tissue lysate, using PTPRZ1 Antibody (N-term)(Cat. #AP21103a). AP21103a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

PTPRZ1 Antibody (N-term) - Background

Protein tyrosine phosphatase that negatively regulates oligodendrocyte precursor proliferation in the embryonic spinal cord. Required for normal differentiation of the precursor cells into mature, fully myelinating oligodendrocytes. May play a role in protecting oligodendrocytes against apoptosis. May play a role in the establishment of contextual memory, probably via the dephosphorylation of proteins that are part of important signaling cascades (By similarity).

PTPRZ1 Antibody (N-term) - References

Krueger N.X., et al. Proc. Natl. Acad. Sci. U.S.A. 89:7417-7421(1992).
Levy J.B., et al. J. Biol. Chem. 268:10573-10581(1993).
Hillier L.W., et al. Nature 424:157-164(2003).
Scherer S.W., et al. Science 300:767-772(2003).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.