

PTP ζ Polyclonal Antibody
Catalog # AP72086**Specification**

PTP ζ Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P23471
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

PTP ζ Polyclonal Antibody - Additional Information**Gene ID** 5803**Other Names**

PTPRZ1; HTPZP2; PTPRZ; PTPRZ2; PTPZ; 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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

PTP ζ Polyclonal Antibody - 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

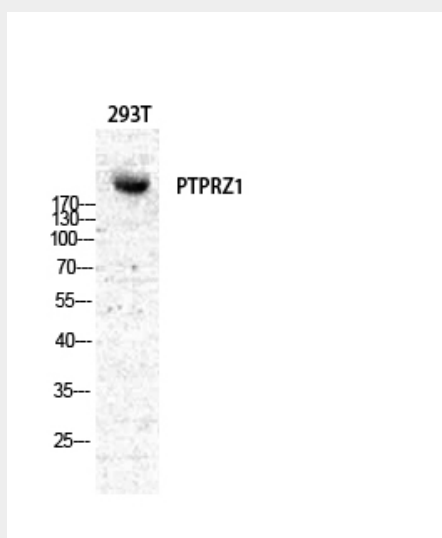
of the cerebellum, the dentate gyrus, and the subependymal layer of the anterior horn of the lateral ventricle. Developmentally regulated in the brain.

PTP ζ Polyclonal Antibody - Protocols

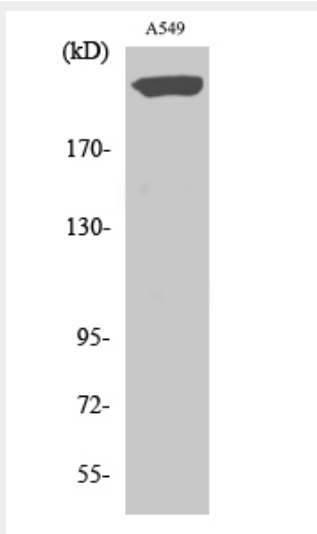
Provided below are standard protocols that you may find useful for product applications.

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

PTP ζ Polyclonal Antibody - Images



Western Blot analysis of various cells using PTP ζ Polyclonal Antibody diluted at 1:500



Western Blot analysis of A549 cells using PTP ζ Polyclonal Antibody diluted at 1:500

PTP ζ Polyclonal Antibody - 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).