

## PTPRZ1 Antibody

Catalog No: #34977

Package Size: #34977-1 50ul #34977-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

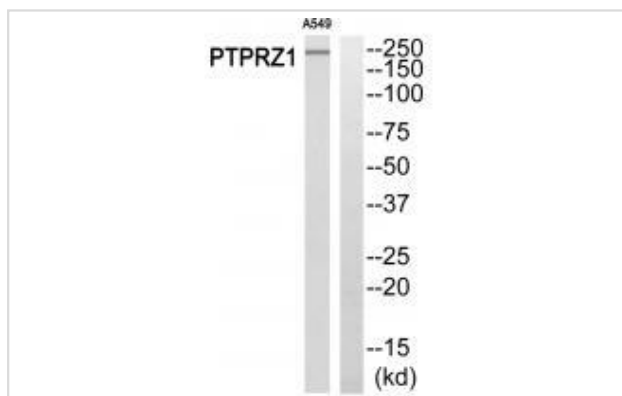
## Description

Product Name	PTPRZ1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PTPRZ1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from N-terminal of human PTPRZ1.
Target Name	PTPRZ1
Other Names	R-PTP-zeta; Protein-tyrosine phosphatase receptor type Z polypeptide 1;
Accession No.	Swiss-Prot: P23471NCBI Gene ID: 5803
Uniprot	P23471
GeneID	5803;
SDS-PAGE MW	250kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from A549 cells, using PTPRZ1 antibody #34977.

## Background

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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.

Krueger N.X., Proc. Natl. Acad. Sci. U.S.A. 89:7417-7421(1992).

Levy J.B., J. Biol. Chem. 268:10573-10581(1993).

Hillier L.W., Nature 424:157-164(2003).

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Note: This product is for in vitro research use only