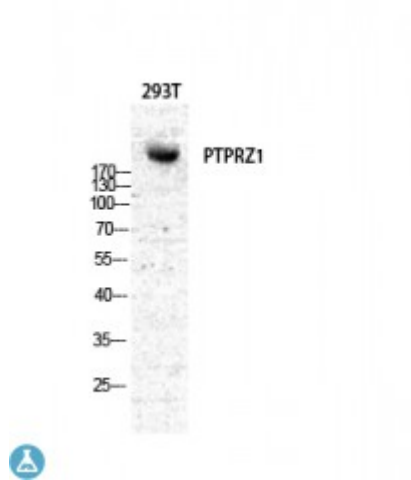


Anti-PT zeta antibody



Description	Rabbit polyclonal to PTPzeta.
Model	STJ95268
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human PTPzeta
Immunogen Region	100-180 aa, N-terminal
Gene ID	5803
Gene Symbol	PTPRZ1
Dilution range	WB 1:500-1:2000ELISA 1:5000
Specificity	PTPzeta Polyclonal Antibody detects endogenous levels of PTPzeta protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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

Molecular Weight	250 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9685OMIM:176891
Alternative 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
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 .
Cellular Localization	Isoform 1: Cell membrane. Single-pass type I membrane protein. Secreted. A secreted form is apparently generated by shedding of the extracellular domain. Isoform 2: Secreted