

anti-Rat PTPRS Polyclonal Antibody | anti-PTPRS antibody

PTPRS Polyclonal Antibody

CATALOG # AAA280639	REACTIVITY Rat	APPLICATIONS Western Blot
-------------------------------	--------------------------	-------------------------------------

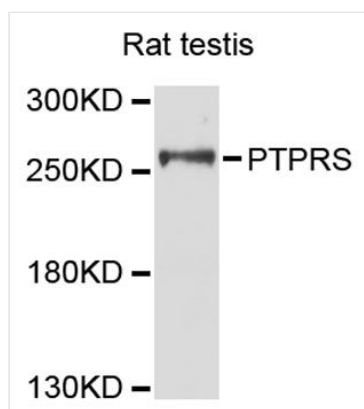
PRODUCT SYNONYMS

PTPRS; Polyclonal Antibody; PTPRS Polyclonal Antibody; anti-PTPRS antibody

PRODUCT SPECIFICATIONS

Reactivity	Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	1948
Applicable Applications for anti-PTPRS antibody	WB (Western Blot)
Source	Rabbit
Immunogen	Recombinant protein of human PTPRS
Category	Primary Antibody
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of rat testis, using PTPRS antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRS antibody	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of multiple Ig-like and fibronectin type III-like domains. Studies of the similar gene in mice suggested that this PTP may be involved in cell-cell interaction, primary axonogenesis, and axon guidance during embryogenesis. This PTP has been also implicated in the molecular control of adult nerve repair. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported.
Product Categories/Family for anti-PTPRS antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	104487006
NCBI GeneID	5802
NCBI Accession #	NP_002841.3
NCBI GenBank Nucleotide #	NM_002850.3
UniProt Accession #	Q13332; O75255; O75870; Q15718; Q16341; Q2M3R7
Molecular Weight	217kDa
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase S isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type S
NCBI Official Symbol	PTPRS
NCBI Official Synonym Symbols	PTPSIGMA
NCBI Protein Information	receptor-type tyrosine-protein phosphatase S
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase S
UniProt Gene Name	PTPRS
UniProt Synonym Gene Names	R-PTP-S; R-PTP-sigma
UniProt Entry Name	PTPRS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.