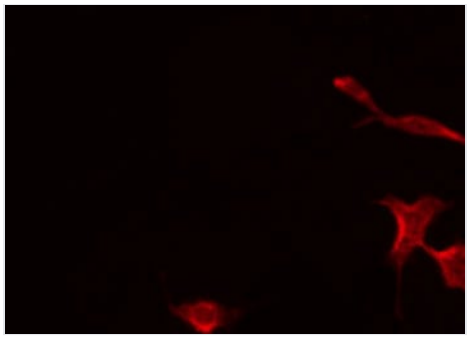
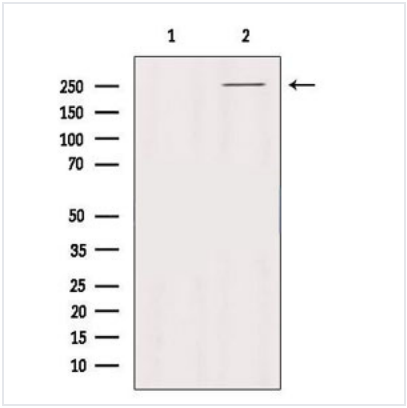
PTPRZ1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PTPRZ1, Polyclonal Antibody
Full Product Name	PTPRZ1 Antibody
Product Gene Name	anti-PTPRZ1 antibody
Product Synonym Names	3F8 chondroitin sulfate proteoglycan; 3H1 keratan sulfate proteoglycan; HPTPZ; HPTPzeta; Phosphacan; Protein tyrosine phosphatase receptor type Z polypeptide 2; Protein tyrosine phosphatase, receptor type, Z polypeptide 1; Protein tyrosine phosphatase, receptor type, zeta polypeptide 1; Protein-tyrosine phosphatase receptor type Z polypeptide 1; Protein-tyrosine phosphatase receptor type Z polypeptide 2; PTP-ZETA; PTP18; PTPRZ; PTPRZ_HUMAN; Ptprz1; PTPZ; R PTP zeta 2; R-PTP-zeta; R-PTP-zeta-2; Receptor type tyrosine phosphatase beta/zeta; Receptor-type tyrosine-protein phosphatase zeta; RPTP-BETA; RPTPB; RPTPbeta
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	~1mg/ml (lot specific)
Preparation and Storage	Store at -20°C.
Antibody/Peptide Pairs	PTPRZ1 peptide (MBS9624583) is used for blocking the activity of PTPRZ1 antibody (MBS9605866)
Molecular Weight	250 KD
3D Structure	ModBase 3D Structure for P23471
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human PTPRZ1, corresponding to a region within N-terminal amino acids.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PTPRZ1 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-PTPRZ1 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500 EIA: 1: 20000- 1: 40000 *The optimal dilutions should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Related Product Information for anti-PTPRZ1 antibody	MBS9605866 is an antibody targeting PTPRZ1. Also known as PTPRZ1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PTPRZ1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-PTPRZ1 antibody
MBS9605866 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-PTPRZ1 antibody
Western blot analysis of extracts from HUVEC, using PTPRZ1 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTPRZ1. It may not necessarily be applicable to this product.

NCBI GI #	332205943
NCBI GeneID	5803
NCBI Accession #	NP_001193767.1
UniProt Primary Accession #	P23471
UniProt Secondary Accession #	O76043; Q9UDR6; A4D0W5; C9JFM0
UniProt Related Accession #	P23471
GenBank Nucleotide #	NM_001206838.1
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase zeta isoform 2
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type Z1
NCBI Official Symbol	PTPRZ1
NCBI Official Synonym Symbols	PTPZ; HPTPZ; PTP18; PTPRZ; RPTPB; HPTPzeta; PTP-ZETA; RPTPbeta; phosphacan; R-PTP-zeta-2
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase zeta
UniProt Synonym Protein Names	Protein-tyrosine phosphatase receptor type Z polypeptide 1; Protein-tyrosine phosphatase receptor type Z polypeptide 2; R-PTP-zeta-2
Protein Family	Receptor-type tyrosine-protein phosphatase
UniProt Gene Name	PTPRZ1
UniProt Synonym Gene Names	HTPZP2; PTPRZ; PTPRZ2; PTPZ; R-PTP-zeta
NCBI Protein Information	receptor-type tyrosine-protein phosphatase zeta
NCBI Summary for PTPRZ1	This gene encodes a member of the receptor protein tyrosine phosphatase family. Expression of this gene is restricted to the central nervous system (CNS), and it may be involved in the regulation of specific developmental processes in the CNS. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2011]
UniProt Comments for PTPRZ1	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 oligondendrocytes 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 ().

Research Articles on PTPRZ1	**1.** Authors characterized exosomes from GBM cells harbouring and not harbouring PTPRZ1-MET fusion (ZM fusion).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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