PTPRN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PTPRN2, Polyclonal Antibody
Full Product Name	PTPRN2, NT (PTPRN2, KIAA0387, Receptor-type tyrosine-protein phosphatase N2, Islet cell autoantigen-related protein, Phogrin) (MaxLight 405)
Product Gene Name	anti-PTPRN2 antibody
Product Synonym Names	PTPRN2; KIAA0387; Receptor-type tyrosine-protein phosphatase N2; Islet cell autoantigen-related protein; Phogrin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	109,622 Da
OMIM	601698
3D Structure	ModBase 3D Structure for Q92932
Immunogen	PTPRN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-189 amino acids from the N-terminal region of human PTPRN2.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-PTPRN2 antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-PTPRN2 antibody	Western Blot (WB), FLISA
Application Notes for anti-PTPRN2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PTPRN2 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 possesses an extracellular region, a single transmembrane region, and a single intracellular catalytic domain, and thus represents a receptor-type PTP. The catalytic domain of this PTP is most closely related to PTPRN/IA-2beta. This PTP and PTPRN are both found to be major autoantigens associated with insulin-dependent diabetes mellitus. Three alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.
Product References and Citations for anti-PTPRN2 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010). Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009).

Other Notes	Small volumes of anti-PTPRN2 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.
Searchable Terms for PTPRN2 purchase	MBS6339101 is an antibody targeting PTPRN2. Also known as PTPRN2, NT (PTPRN2, KIAA0387, Receptor-type tyrosine-protein phosphatase N2, Islet cell autoantigen-related protein, Phogrin) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTPRN2. It may not necessarily be applicable to this product.

NCBI GI #	194097440
NCBI GeneID	5799
NCBI Accession #	NP_002838.2
NCBI Related Accession #	NP_570857.2
UniProt Primary Accession #	Q92932
UniProt Secondary Accession #	Q8N4I5; Q92662; Q9Y4F8; Q9Y4I6; E9PC57
UniProt Related Accession #	Q92932
GenBank Nucleotide #	NM_002847.3
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase N2 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, N polypeptide 2
NCBI Official Symbol	PTPRN2
NCBI Official Synonym Symbols	IAR; ICAAR; PTPRP; IA-2beta; R-PTP-N2
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase N2
UniProt Synonym Protein Names	Islet cell autoantigen-related protein; IAR; ICAAR; Phogrin
Protein Family	Receptor-type tyrosine-protein phosphatase
UniProt Gene Name	PTPRN2
UniProt Synonym Gene Names	KIAA0387; R-PTP-N2; IAR; ICAAR
UniProt Entry Name	PTPR2_HUMAN
NCBI Protein Information	receptor-type tyrosine-protein phosphatase N2; phogrin; tyrosine phosphatase IA-2 beta; islet cell autoantigen-related protein; protein tyrosine phosphatase receptor pi; IAR/receptor-like protein-tyrosine phosphatase
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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