PRG2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRG2, Polyclonal Antibody
Full Product Name	PRG2, ID (LPPR3, PHP2, PRG2, Lipid phosphate phosphatase-related protein type 3, PAP-2-like protein 2, Plasticity-related gene 2 protein) (MaxLight 750)
Product Gene Name	anti-PRG2 antibody
Product Synonym Gene Name	LPPR3
Product Synonym Names	LPPR3; PHP2; PRG2; Lipid phosphate phosphatase-related protein type 3; PAP-2-like protein 2; Plasticity-related gene 2 protein
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 MaxLight750.
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	33,787 Da
OMIM	610391
3D Structure	ModBase 3D Structure for Q6T4P5
Immunogen	PRG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 323-352 amino acids from the Central region of human PRG2.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-PRG2 antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-PRG2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-PRG2 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PRG2 antibody	The proteins in the lipid phosphate phosphatase (LPP) family, including PRG2, are integral membrane proteins that modulate bioactive lipid phosphates including phosphatidate, lysophosphatidate, and sphingosine-1-phosphate in the context of cell migration, neurite retraction, and mitogenesis (Brauer et al., 2003 [PubMed 12730698]).
Product References and Citations for anti-PRG2 antibody	Brauer, A.U., et al. Nat. Neurosci. 6(6):572-578(2003).

Other Notes	Small volumes of anti-PRG2 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 PRG2 purchase	MBS6337202 is an antibody targeting PRG2. Also known as PRG2, ID (LPPR3, PHP2, PRG2, Lipid phosphate phosphatase-related protein type 3, PAP-2-like protein 2, Plasticity-related gene 2 protein) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRG2. It may not necessarily be applicable to this product.

NCBI GI #	13376339
NCBI GeneID	79948
NCBI Accession #	NP_079164.1
UniProt Primary Accession #	Q6T4P5
UniProt Secondary Accession #	Q86XQ4; Q96EH1; Q9BQF9; Q9HAJ4
UniProt Related Accession #	Q6T4P5
GenBank Nucleotide #	NM_024888.2
NCBI Official Full Name	phospholipid phosphatase-related protein type 3 isoform 1
NCBI Official Synonym Full Names	phospholipid phosphatase related 3
NCBI Official Symbol	PLPPR3
NCBI Official Synonym Symbols	LPR3; PRG2; LPPR3; PRG-2
UniProt Protein Name	Lipid phosphate phosphatase-related protein type 3
UniProt Synonym Protein Names	PAP-2-like protein 2; Plasticity-related gene 2 protein
Protein Family	Bone marrow proteoglycan
UniProt Gene Name	LPPR3
UniProt Synonym Gene Names	PHP2; PRG2; PRG-2
UniProt Entry Name	LPPR3_HUMAN
NCBI Protein Information	phospholipid phosphatase-related protein type 3
UniProt Comments for PRG2	Catalytic activity: A 1,2-diacylglycerol 3-phosphate + H2O = a 1,2-diacyl-sn-glycerol + phosphate. Subcellular location: Membrane; Multi-pass membrane protein Potential. Sequence similarities: Belongs to the PA-phosphatase related phosphoesterase family.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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