SGPP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SGPP2, Polyclonal Antibody
Full Product Name	SGPP2, NT (SGPP2, Sphingosine-1-phosphate phosphatase 2, Sphingosine-1-phosphatase 2) (MaxLight 550)
Product Gene Name	anti-SGPP2 antibody
Product Synonym Names	SGPP2; Sphingosine-1-phosphate phosphatase 2; Sphingosine-1-phosphatase 2
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 MaxLight550.
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: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44,741 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (223289322..223423617). Location: 2q36.1
OMIM	612827
3D Structure	ModBase 3D Structure for Q8IWX5
Immunogen	SGPP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-33 amino acids from the N-terminal region of human SGPP2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-SGPP2 antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-SGPP2 antibody	Western Blot (WB), FLISA
Application Notes for anti-SGPP2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SGPP2 antibody	Sphingosine-1-phosphate (S1P) is a bioactive sphingolipid metabolite that regulates diverse biologic processes. SGPP2 catalyzes the degradation of S1P (Ogawa et al., 2003 [PubMed 12411432]).
Product References and Citations for anti-SGPP2 antibody	Mechtcheriakova, D., et al. Cell. Signal. 19(4):748-760(2007). Ogawa, C., et al. J. Biol. Chem. 278(2):1268-1272(2003).
Other Notes	Small volumes of anti-SGPP2 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 SGPP2 purchase	MBS6347083 is an antibody targeting SGPP2. Also known as SGPP2, NT (SGPP2, Sphingosine-1-phosphate phosphatase 2, Sphingosine-1-phosphatase 2) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SGPP2. It may not necessarily be applicable to this product.

NCBI GI #	23510289
NCBI GeneID	130367
NCBI Accession #	NP_689599.2
UniProt Primary Accession #	Q8IWX5
UniProt Secondary Accession #	Q8N8Q6; A3KPB4
UniProt Related Accession #	Q8IWX5
GenBank Nucleotide #	NM_152386.2
NCBI Official Full Name	sphingosine-1-phosphate phosphatase 2
NCBI Official Synonym Full Names	sphingosine-1-phosphate phosphatase 2
NCBI Official Symbol	SGPP2
NCBI Official Synonym Symbols	SPP2
UniProt Protein Name	Sphingosine-1-phosphate phosphatase 2
UniProt Synonym Protein Names	Sphingosine-1-phosphatase 2
Protein Family	Sphingosine-1-phosphate phosphatase
UniProt Gene Name	SGPP2
UniProt Synonym Gene Names	SPPase2; Spp2; hSPP2
UniProt Entry Name	SGPP2_HUMAN
NCBI Protein Information	sphingosine-1-phosphate phosphatase 2; hSPP2; SPPase2; sphingosine-1-phosphatase 2; sphingosine-1-phosphate phosphotase 2; sphingosine 1-phosphate phosphohydrolase 2
UniProt Comments for SGPP2	Function: Has specific phosphohydrolase activity towards sphingoid base 1-phosphates. Has high phosphohydrolase activity against dihydrosphingosine-1-phosphate and sphingosine-1-phosphate (S1P) in vitro. May play a role in attenuating intracellular sphingosine 1-phosphate (S1P) signaling. May play a role in pro-inflammatory signaling. Ref.1 Ref.4 Subcellular location: Endoplasmic reticulum membrane; Multi-pass membrane protein Ref.1. Tissue specificity: Expressed strongly in kidney and heart, followed by brain, colon, small intestine and lung. Not detected in skeletal muscle, thymus, spleen, liver, placenta, and peripheral blood leukocytes. Ref.1 Induction: Strongly induced by TNF, also induced by bacterial lipopolycaccharides (LPS) in neutrophils, endothelial cells, and other cell types. Not induced by growth-related factors. Ref.4 Sequence similarities: Belongs to the type 2 lipid phosphate phosphatase family.
Research Articles on SGPP2	**1.** characterization of SPP2, another member of the SPP family that may play a role in attenuating intracellular S1P signaling.
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/sgpp2/6347083