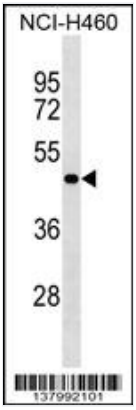
# SGPP2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | SGPP2, Polyclonal Antibody |
| **Full Product Name** | SGPP2 Antibody (N-term) |
| **Product Gene Name** | anti-SGPP2 antibody |
| **Product Synonym Names** | Sphingosine-1-phosphate phosphatase 2; SPPase2; Spp2; hSPP2; 313-; Sphingosine-1-phosphatase 2; SGPP2 |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit Ig |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Purity/Purification** | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab) |
| **Concentration** | Vial Concentration: 0.45 (lot specific) |
| **Specificity** | This SGPP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-33 amino acids from the N-terminal region of human SGPP2. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |
| **Antibody/Peptide Pairs** | SGPP2 peptide (MBS9223284) is used for blocking the activity of SGPP2 antibody (MBS9201836) |
| **Molecular Weight** | 44741 |
| **Immunogen Sequence Positions** | 7-33 |
| **OMIM** | 612827 |
| **3D Structure** | ModBase 3D Structure for Q8IWX5 |
| **Antigen Type** | Synthetic Peptide |
| **Antigen Source** | HUMAN |
| **Product Categories/Family for anti-SGPP2 antibody** | Cancer; Metabolism; Signal Transduction |
| **Applications Tested/Suitable for anti-SGPP2 antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-SGPP2 antibody** | WB~~1:1000 |
| **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)<br>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** | MBS9201836 is an antibody targeting SGPP2. Also known as SGPP2 Antibody (N-term). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-SGPP2 antibody**
SGPP2 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the SGPP2 antibody detected the SGPP2 protein (arrow).

## 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 |
| **NCBI Summary for SGPP2** | 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]).[supplied by OMIM, Jun 2009] |

| | |
|---|---|
| **UniProt Comments for SGPP2** | SGPP2: 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. Belongs to the type 2 lipid phosphate phosphatase family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Membrane protein, multi-pass; Hydrolase; Membrane protein, integral; EC 3.1.3.-; Motility/polarity/chemotaxis; Lipid Metabolism - sphingolipid<br><br>Chromosomal Location of Human Ortholog: 2q36.1<br><br>Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum; integral to membrane<br><br>Molecular Function: sphingosine-1-phosphate phosphatase activity<br><br>Biological Process: sphingolipid metabolic process; sphingolipid biosynthetic process; dephosphorylation; sphingosine metabolic process |
| **Research Articles on SGPP2** | **1.** SGPP2, a sphingosine-1-phosphate phosphatase, is a novel vitamin D-responsive gene associated with lung function. |
| **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.<br><br>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/sgpp2/9201836