

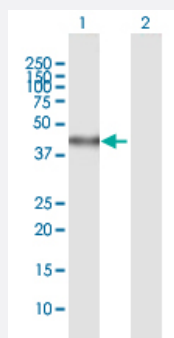
MaxPab®

SPHK1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008877-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SPHK1 expression in transfected 293T cell line ([H00008877-T01](#)) by SPHK1 MaxPab polyclonal antibody.

Lane 1: SPHK1 transfected lysate (43.78 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human SPHK1 protein.

Immunogen

SPHK1 (NP_068807.2, 1 a.a. ~ 398 a.a) full-length human protein.

Sequence

MDPVVGCGRGLFGVFVSAGGPRGVLPRPCRVLVLLNPRGGKGKALQLFRSHVQPLLAEEISFT
LMLTERRNHARELVRSEELGRWDALVVMGSDGLMHEVVNGLMERPDWETAIQKPLCSLPAGSG
NALAASLNHYAGYEQVTNEDLLTNCTLLCRLLSPMNLLSLHTASGLRFLSVLSLAWGFIADVLD
ESEKYRRLGEMRFTLGTFRLAALRTYRGRLAYLPVGRVGSKTPASPVVVQQGPVDAHLVPLEEP
VPSHWTVPDEDFVLVLALLHSHLGSEMFAAPMGRCAAGVMHLFYVRAGVSRAMLLRLFLAME
KGRHMEYECPLYVYPVVAFRLEPKDGKGVFAVDGELMVSEAVQQQVHPNYFWMVSGCVEPP
PSWKPQQMPPPEEPL

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (81); Rat (78)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — SPHK1

Entrez GeneID [8877](#)

GeneBank Accession# [NM_021972](#)

Protein Accession# [NP_068807.2](#)

Gene Name SPHK1

Gene Alias SPHK

Gene Description sphingosine kinase 1

Omim ID [603730](#)

Gene Ontology [Hyperlink](#)

Gene Summary Sphingosine-1-phosphate (SPP) is a novel lipid messenger with both intracellular and extracellular functions. Intracellularly, it regulates proliferation and survival, and extracellularly, it is a ligand for EDG1 (MIM 601974). Various stimuli increase cellular levels of SPP by activation of sphingosine kinase (SPHK), the enzyme that catalyzes the phosphorylation of sphingosine. Competitive inhibitors of SPHK block formation of SPP and selectively inhibit cellular proliferation induced by a variety of factors, including platelet-derived growth factor (e.g., MIM 173430) and serum.[supplied by OMIM]

Other Designations -

Pathway

- [Calcium signaling pathway](#)

- [Fc gamma R-mediated phagocytosis](#)
- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)
- [VEGF signaling pathway](#)