

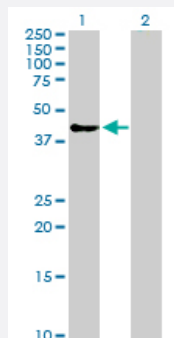
MaxPab®

SPHK1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00008877-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SPHK1 expression in transfected 293T cell line ([H00008877-T02](#)) by SPHK1 MaxPab polyclonal antibody.

Lane 1: SPHK1 transfected lysate(43.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit 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	MDPVVGCGRGLFGFVFSAGGPRGVLP RPCRVLVLLNPRGGKGKALQLFRSHVQPLLAEEISFT LMLTERRNHARELVRSEELGRWDALVVMSGDGLMHEVVNGLMERPDWETAIQKPLCSLPAGSG NALAASLNHYAGYEQVTNEDLLTNCTLLCRLLSPMNLLSLHTASGLRFLFSVLSLAWGFIADVDL ESEKYRRLGEMRFTLGTFLRLAALRTYRGRLAYLPVGRVGSKTPASPVVVQQGPVDAHLVPLEEP VPSHWTVPDEDFVLVLALLHSHLGSEMFAAPMGRCAAGVMHLFYVRAGVSRAMLLRLFLAME KGRHMEYECPLYVYPVVAFRLEPKDGKGVFAVDGELMVSEAVQQQVHPNYFWMVSGCVEPP PSWKPQQMPPPEEPL
Host	Rabbit
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](#)