

DNAxPAb

Hard-to-Find
Antibody

SPHK1 DNAxPAb

Catalog # H00008877-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human SPHK1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MDPVVGCGRGLFGFVFSAGGPRGVLPRPCRVLVLLNPRGGKGKALQLFRSHVQPLLAEEISFT LMLTERRNHARELVRSEELGRWDALVVMMSGDGLMHEVVNGLMERPDWETAIQKPLCSLPAGSG NALAASLNHYAGYEQVTNEDLLTNCTLLCRRLSPMNLLSLHTASGLRFLFSVLSLAWGFIADVLD ESEKYRRLGEMRFTLTGTLRLAALRTYRGRLAYLPVGRVGSKTPASPVVVQQGPVDAHLVPLEEP VPSHWTVPDEDFVLVLALLHSHLGSEMFAAPMGRCAAGVMHLFYVRAGVSRAMLLRLFLAME KGRHMEYECPLYVYPVVAFRLEPKDGKGVFAVDGELMVSEAVQQQVHPNYFWMVSGCVEPP PSWKPQQMPPPEEPL
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — SPHK1

Entrez GeneID [8877](#)

GeneBank Accession# [NM_021972.2](#)

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](#)