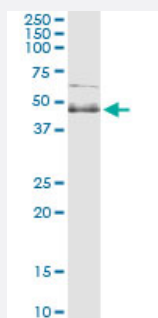


SPHK1 monoclonal antibody (M02), clone 2A8

Catalog # H00008877-M02

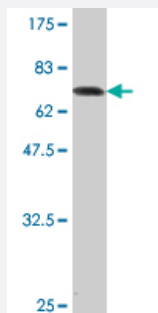
Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of SPHK1 transfected lysate using anti-SPHK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SPHK1 MaxPab rabbit polyclonal antibody.



Western Blot detection against Immunogen (67.98 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant SPHK1.

Immunogen

SPHK1 (AAH08040, 1 a.a. ~ 384 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MDPAGGPRGVLPRPCRVLVLLNPRGGKGGKALQLFRSHVQPLLAEEISFTLMLTERRNHARELV
RSEELGRWDALVVMMSGDGLMHEVVNGLMERPDWETAIQKPLCSLPAGSGNALAASLNHYAGYE
QVTNEDLLTNCTLLLCRRLSPMNLLSLHTASGLRLFSVLSLAWGFIADVLESEKYRRLGEMRFT
LGTFLLLAALRTYRGLAYLPVGRVGSKTPASPVVVQQGPVDAHLVPLEEPVPSHWTVPDEDF
VLVLALLHSHLGSEMFAAPMGRCAAGVMHLFYVRAGVSRAMLLRLFLAMEKGRHMEYECPLYVY
VPVVAFRLEPKDGKGVFAVDGELMVSEAVQQQVHPNYFWMVSGCVEPPPSWKPPQMQMPPEE
PL

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (78)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (67.98 KDa) .
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 (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of SPHK1 transfected lysate using anti-SPHK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SPHK1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

Gene Info — SPHK1

Entrez GeneID	8877
GeneBank Accession#	BC008040
Protein Accession#	AAH08040
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](#)