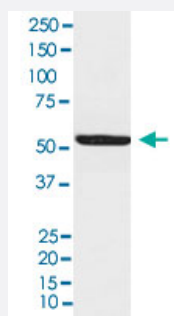


SPHK1 monoclonal antibody, clone ACCB-19

Catalog # MAB22140 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Raji cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human SPHK1.
Immunogen	A synthetic peptide corresponding to human SPHK1.
Host	Rabbit
Reactivity	Human
Specificity	The antibody reacts with human SPHK1, in native form and recombinant. Superfamily members of S PHK1 are not reactive to this antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C for short term storage. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Raji cell lysate.

- Flow Cytometry

Gene Info — SPHK1

Entrez GeneID[8877](#)**Protein Accession#**[Q9NYA1](#)**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

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Pathway

- [Calcium signaling pathway](#)

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