

Product datasheet

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ARG41830 anti-SPHK1 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes SPHK1

Tested Reactivity Hu, Ms
Predict Reactivity Rat

Tested Application FACS, WB
Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name SPHK1
Species Human

Immunogen Synthetic peptide of Human SPHK1.

Conjugation Un-conjugated

Alternate Names SK 1; SPK 1; EC 2.7.1.91; SPHK; Sphingosine kinase 1

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Raji	
Observed Size	~ 53 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol SPHK1

Gene Full Name sphingosine kinase 1

Background The protein encoded by this gene catalyzes the phosphorylation of sphingosine to form

sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Intracellularly, S1P regulates proliferation and survival, and extracellularly, it is a ligand for cell surface G protein-coupled receptors. This protein, and its product S1P, play a key role in TNF-alpha signaling and the NF-kappa-B activation pathway important in inflammatory, antiapoptotic, and immune processes. Alternatively spliced transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Sep 2011]

Function Catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator

with both intra- and extracellular functions. Also acts on D-erythro-sphingosine and to a lesser extent sphinganine, but not other lipids, such as D,L-threo-dihydrosphingosine, N,N-dimethylsphingosine,

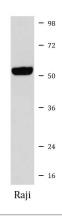
diacylglycerol, ceramide, or phosphatidylinositol. [UniProt]

Calculated Mw 43 kDa

Cellular Localization Cytoplasm. Nucleus. Cell membrane. Note=Translocated from the cytoplasm to the plasma membrane

in a CIB1-dependent manner. [UniProt]

Images



ARG41830 anti-SPHK1 antibody WB image

Western blot: Raji cell lysate stained with ARG41830 anti-SPHK1 antibody.