



Datasheet for ABIN2855922
anti-SPHK1 antibody (C-Term)



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3 Images

Overview

Quantity:	100 µL
Target:	SPHK1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPHK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human SPHK1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to SPHK1 (sphingosine kinase 1) SPHK1 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	SPHK1
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Target Details

Alternative Name:	sphingosine kinase 1 (SPHK1 Products)
Background:	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]
Molecular Weight:	43 kDa
Gene ID:	8877
UniProt:	Q9NYA1
Pathways:	VEGF Signaling

Application Details

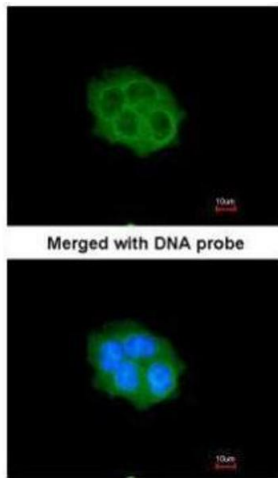
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Molt-4
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.17 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

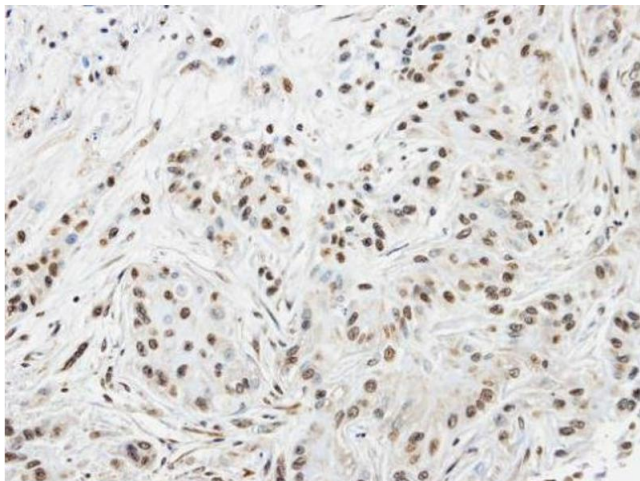
multiple freeze-thaw cycles.

Images



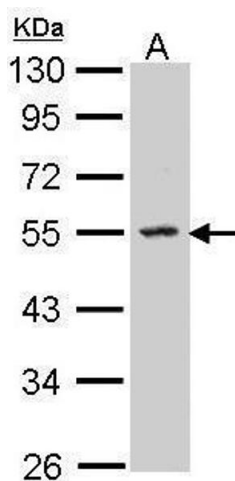
Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A431, using SPHK1, antibody at 1:200 dilution.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded A549 xenograft, using SPHK1, antibody at 1:100 dilution.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , 10% SDS PAGE antibody diluted at 1:500