

Datasheet for ABIN3020648
anti-SPHK1 antibody (AA 50-384)



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4 Images

Overview

Quantity:	100 µL
Target:	SPHK1
Binding Specificity:	AA 50-384
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPHK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 50-384 of human SPHK1 (NP_001136074.1).
Sequence:	TLMLTERRNH ARELVRSEEL GRWDALVMS GDGLMHEVVN GLMERPDWET AIQKPLCSLP AGSGNALAAS LNHYAGYEQV TNEDLLTNCT LLLCRLLSP MNLLSLHTAS GLRLFSVLSL AWGFIADVLD ESEKYRRLGE MRFTLTGFLR LAALRTYRGR LAYLPVGRVG SKTPASPVVV QQGPVDAHLV PLEEVPSHW TVVPDEDFVL VLALLHSHLG SEMFAAPMGR CAAGVMHLFY VRAGVSRAML LRLFLAMEKG RHMEYECPYL VYVPVAFRL EPKDGKGVFA VDGELMVSEA VQGQVHPNYF WMVSGCVEPP PSWKPPQQMPP PEEPL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

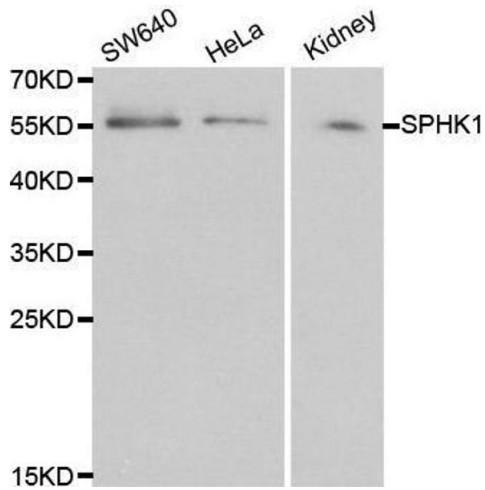
Target:	SPHK1
Alternative Name:	SPHK1 (SPHK1 Products)
Background:	<p>The protein encoded by this gene catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Intracellularly, S1P regulates proliferation and survival, 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-α signaling and the NF-κ-B activation pathway important in inflammatory, antiapoptotic, and immune processes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,SPHK1,SPHK,Cancer,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Kinase,Cell Biology & Developmental Biology,Apoptosis,Endocrine & Metabolism,Lipid Metabolism,Cardiovascular,Angiogenesis,SPHK1</p>
Molecular Weight:	42 kDa/43 kDa/51 kDa
Gene ID:	8877
UniProt:	Q9NYA1
Pathways:	VEGF Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

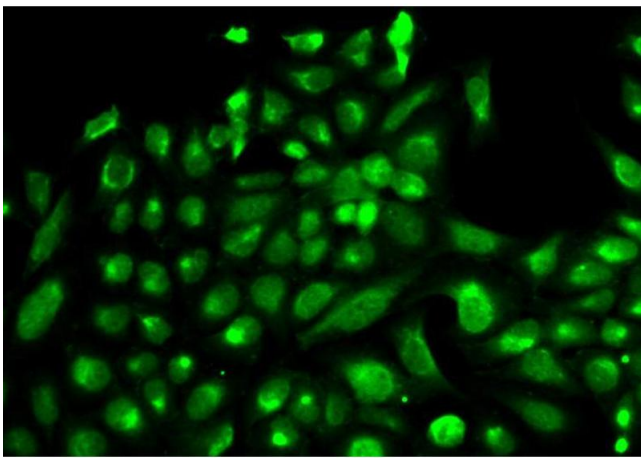
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



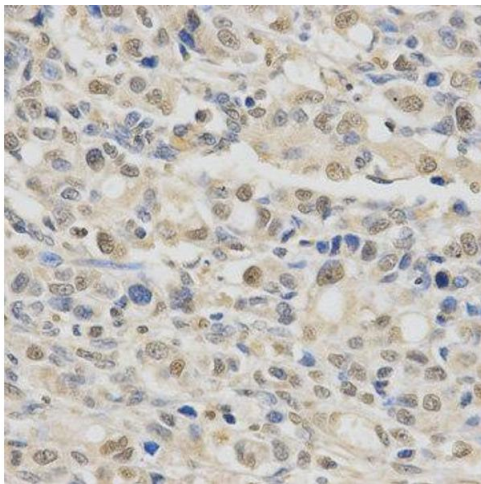
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SPHK1 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using SPHK1 antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human stomach cancer using SPHK1 antibody at dilution of 1:200 (x400 lens).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3020648.