

Rabbit anti-Human SPHK1 Polyclonal Antibody | anti-SPHK1 antibody

SPHK1 Antibody (N-term P74)

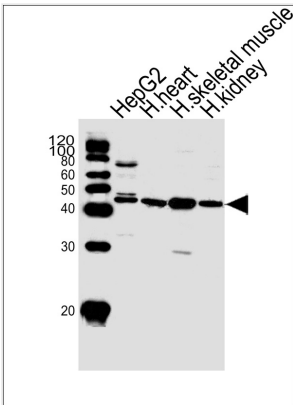
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285528	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

SPHK1; Polyclonal Antibody; SPHK1 Antibody (N-term P74); Sphingosine kinase 1; SK 1; SPK 1; SPHK; SPK; anti-SPHK1 antibody

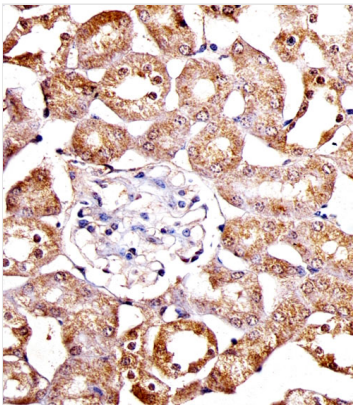
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SPHK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-89 amino acids from the N-terminal region of human SPHK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	59-89
Sequence Length	398
Applicable Applications for anti-SPHK1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



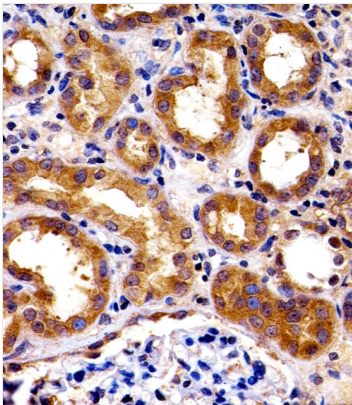
WB (Western Blot)

Western blot analysis of lysates from HepG2 cell line and human heart, skeletal muscle, kidney tissue lysate(from left to right), using SPHK1 Antibody (N-term P74). AAA285528 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IHC (Immunohiostchemistry)

Immunohistochemical analysis of paraffin-embedded M. kidney section using SPHK1 Antibody(N-term P74). AAA285528 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. kidney section using SPHK1 Antibody(N-term P74). AAA285528 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-SPHK1 antibody	Sphingosine Kinase (SphK) catalyzes the phosphorylation of the lipid sphingosine, creating the bioactive lipid sphingosine-1-phosphate (S1P). S1P subsequently signals through cell surface G protein-coupled receptors, as well as intracellularly, to modulate cell proliferation, survival, motility and differentiation. SphK is an important signaling enzyme which is activated by diverse agents, including growth factors that signal through receptor tyrosine kinases, agents activating G protein-coupled receptors, and immunoglobulin receptors. Two SphK isotypes, SphK-1 and SphK-2, have been cloned, and both isotypes are ubiquitously expressed. SphK-1 has been shown to mediate cell growth, prevention of apoptosis, and cellular transformation, and is upregulated in a variety of human tumors. In contrast, SphK-2 increases apoptosis, and may be responsible for phosphorylating and activating the immunosuppressive drug FTY720.
Product Categories/Family for anti-SPHK1 antibody	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Ota, T., et al., Nat. Genet. 36(1):40-45 (2004). Nava, V.E., et al., FEBS Lett. 473(1):81-84 (2000). Melendez, A.J., et al., Gene 251(1):19-26 (2000). Pitson, S.M., et al., Biochem. J. 350 Pt 2, 429-441 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	217272883
NCBI GeneID	8877
NCBI Accession #	NP_001136073.1; NP_001136074.1; NP_068807.2; NP_892010.2
NCBI GenBank Nucleotide #	NM_001142601.1
UniProt Accession #	Q9NYA1; Q8N632; Q96GK1; Q9HD92; Q9NY70; Q9NYL3
Molecular Weight	42518
NCBI Official Full Name	sphingosine kinase 1 isoform 3
NCBI Official Synonym Full Names	sphingosine kinase 1
NCBI Official Symbol	SPHK1
NCBI Official Synonym Symbols	SPHK
NCBI Protein Information	sphingosine kinase 1
UniProt Protein Name	Sphingosine kinase 1
UniProt Gene Name	SPHK1
UniProt Synonym Gene Names	SPHK; SPK; SK 1; SPK 1
UniProt Entry Name	SPHK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sphk1-antibody-immunohistochemistry-western-blot-elisa/285528>