

Rabbit anti-Human SPHK2 Polyclonal Antibody | anti-SPHK2 antibody

SPHK2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287229	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

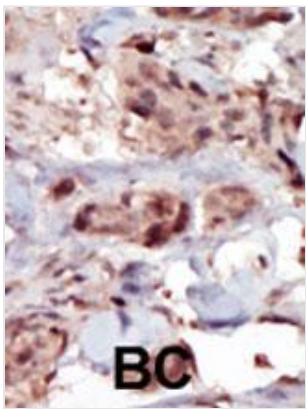
PRODUCT SYNONYMS

SPHK2; Polyclonal Antibody; SPHK2 Antibody (C-term); Sphingosine kinase 2; SK 2; SPK 2; anti-SPHK2 antibody

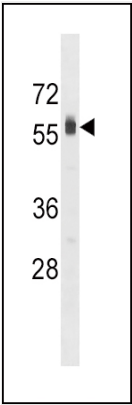
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SPHK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 590-620 amino acids from the C-terminal region of human SPHK2.
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	590-620
Sequence Length	761
Applicable Applications for anti-SPHK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
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.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
SPHK2 Antibody (A605) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the SPHK2 antibody detected the SPHK2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SPHK2 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-SPHK2 antibody	Cancer; Cell Biology; Metabolism; Signal transduction
References	Shu, X., et al., Mol. Cell. Biol. 22(22):7758-7768 (2002). Xia, P., et al., J. Biol. Chem. 277(10):7996-8003 (2002). Liu, H., et al., J. Biol. Chem. 275(26):19513-19520 (2000). Shutler, G., et al., Genomics 34(3):334-339 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	323462183
NCBI GeneID	56848
NCBI Accession #	NP_001191087.1; NP_001191088.1; NP_001191089.1; NP_064511.2
NCBI GenBank Nucleotide #	NM_001204158.2
UniProt Accession #	Q9NRA0; Q9BRN1; Q9H0Q2; Q9NWU7; A0T4C8; B4DU87
Molecular Weight	69217
NCBI Official Full Name	sphingosine kinase 2 isoform b
NCBI Official Synonym Full Names	sphingosine kinase 2
NCBI Official Symbol	SPHK2
NCBI Official Synonym Symbols	SK 2; SK-2; SPK 2; SPK-2
NCBI Protein Information	sphingosine kinase 2

UniProt Protein Name	Sphingosine kinase 2
UniProt Gene Name	SPHK2
UniProt Synonym Gene Names	SK 2; SPK 2
UniProt Entry Name	SPHK2_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/sphk2-antibody-western-blot-immunohistochemistry-elisa/287229>