

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

SPHK1 Antibody (C-term R414)

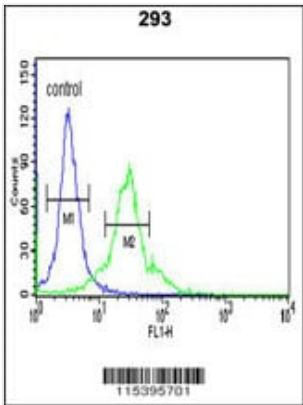
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288762	Rabbit	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

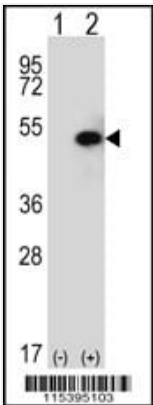
SPHK1; Polyclonal Antibody; SPHK1 Antibody (C-term R414); Sphingosine kinase 1; SK 1; SPK 1; SPHK; SPK; anti-SPHK1 antibody

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 313-343 amino acids from the C-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	313-343
Sequence Length	384
Applicable Applications for anti-SPHK1 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
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.



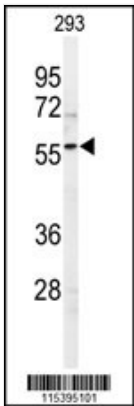
FCM/FACS (Flow Cytometry)
SPHK1 Antibody (C-term R414) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of SPHK1 (arrow) using rabbit polyclonal SPHK1 Antibody (C-term R414). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SPHK1 gene.



IHC (Immunohistochemistry)
SPHK1 Antibody (C-term R414) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SPHK1 Antibody (C-term R414) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of SPHK1 Antibody (C-term R414) in 293 cell line lysates (35ug/lane). SPHK1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SPHK1 antibody	SPHK1 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.
Product Categories/Family for anti-SPHK1 antibody	Cancer; Metabolism; Signal Transduction
References	Hengst, J.A., et al. Arch. Biochem. Biophys. 494(1):23-31(2010) Jarman, K.E., et al. J. Biol. Chem. 285(1):483-492(2010) Gamble, J.R., et al. Am. J. Pathol. 175(5):2217-2225(2009)

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-flow-cytometry-western-blot-elisa/288762>