

Rabbit SPHK1 Polyclonal Antibody | anti-SPHK1 antibody

SPHK1 Polyclonal Antibody

CATALOG # AAA36682	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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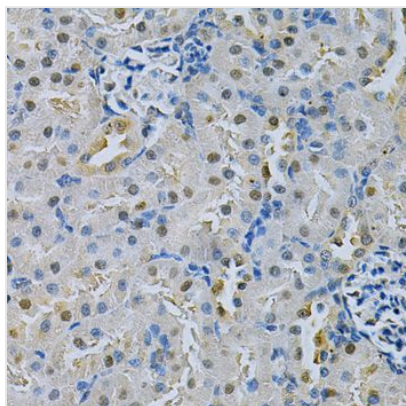
PRODUCT SYNONYMS

SPHK1; Polyclonal Antibody; SPHK1 Polyclonal Antibody; PHK1; SPHK; anti-SPHK1 antibody

PRODUCT SPECIFICATIONS

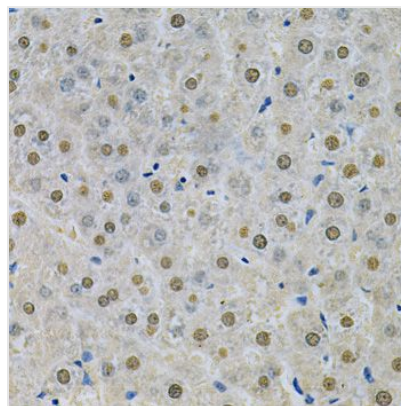
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	384
Applicable Applications for anti-SPHK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human SPHK1
Calculated Molecular Weight	43kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



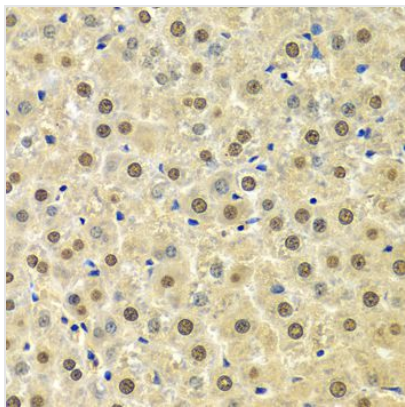
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using SPHK1 Antibody at dilution of 1:200 (40x lens).



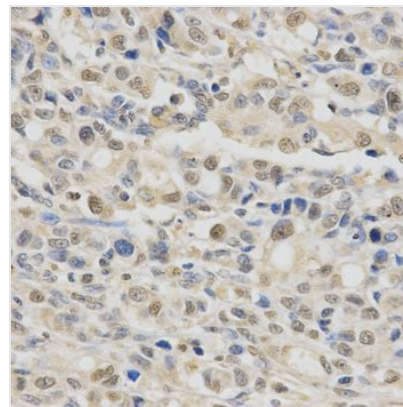
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat liver using SPHK1 Antibody at dilution of 1:200 (40x lens).



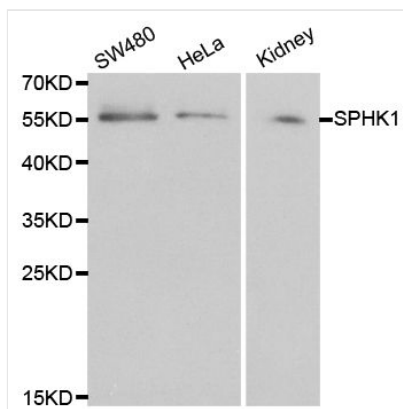
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat liver using SPHK1 Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using SPHK1 Antibody at dilution of 1:200 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SPHK1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SPHK1 antibody	Sphingosine kinases (SPHKs) catalyze the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Together with other sphingolipid metabolizing enzymes, SPHKs regulate the balance of the lipid mediators, ceramide, sphingosine, and S1P (1-4). Two distinct SPHK isoforms, SPHK1 and SPHK2, have been cloned and characterized (5,6). SPHK1 and SPHK2 are highly conserved and diversely expressed (7,8). The SPHKs are activated by G-protein-coupled receptors, receptor tyrosine kinases, immunoglobulin receptors, cytokines, and other stimuli (9-12). The molecular mechanisms by which SPHK1 and SPHK2 are specifically regulated are complex and only partially understood.
Product Categories/Family for anti-SPHK1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	17369329
NCBI GeneID	8877
UniProt Accession #	Q9NYA1; Q8N632; Q96GK1; Q9HD92; Q9NY70; Q9NYL3
Molecular Weight	384
NCBI Official Full Name	Sphingosine kinase 1
NCBI Official Synonym Full Names	sphingosine kinase 1
NCBI Official Symbol	SPHK1

NCBI Official Synonym Symbols	SPHK
NCBI Protein Information	sphingosine kinase 1; SK 1; SPK 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/36682>