



Rabbit Anti-SPHK2 antibody

SL2653R

Product Name:	SPHK2
Chinese Name:	鞘氨醇激酶2抗体
Alias:	sphingosine kinase 2; SK 2; SPK 2; C76851; MGC102297; SPHK2_HUMAN.
文献引用 PubMed :	<p>Specific References(3) SL2653R has been referenced in 3 publications.</p> <p>[IF=2.71]Zhang, Ruxin, et al. "Hypoxic preconditioning protects cardiomyocytes against hypoxia/reoxygenation-induced cell apoptosis via sphingosine kinase 2 and FAK/AKT pathway." <i>Experimental and Molecular Pathology</i> (2015).WB;Rat. PubMed:26621495</p> <p>[IF=4.29]Tran, Hai B., et al. "Cigarette smoke inhibits efferocytosis via deregulation of sphingosine kinase signaling: reversal with exogenous SIP and the SIP analogue FTY720." <i>Journal of Leukocyte Biology</i> (2016): jlb-3A1015.Human. PubMed:26792820</p> <p>[IF=3.53]Tani, Kohsuke, Keiji Tabuchi, and Akira Hara. "Hair Cell Loss Induced by Sphingosine and a Sphingosine Kinase Inhibitor in the Rat Cochlea." <i>Neurotoxicity research</i> 29.1 (2016): 35-46.WB, IF(ICC);Rat. PubMed:26472207</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	72 kDa

Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SPHK2:101-200/654
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene encodes a kinase that phosphorylates sphingosine into sphingosine-1-phosphate, which is involved in cell differentiation, motility, and apoptosis. The encoded protein plays a role in maintaining cellular levels of sphingosine-1-phosphate. The gene product also enhances apoptosis in different cell types and suppresses cellular proliferation. In mast cells, the encoded protein is necessary for influx of calcium, protein kinase C activation, and cytokine production and degranulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq].</p> <p>Function: Catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra-and extracellular functions. Also acts on D-erythro-dihydrosphingosine, D-erythro-sphingosine and L-threo-dihydrosphingosine. Binds phosphoinositides.</p> <p>Subcellular Location: Isoform 1: Cytoplasm. Membrane. Isoform 2: Lysosome membrane.</p> <p>Similarity: Contains 1 DAGKc domain.</p> <p>SWISS: Q9NRA0</p> <p>Gene ID: 56848</p> <p>Database links: Entrez Gene: 56848Human Entrez Gene: 56632Mouse Omim: 607092Human SwissProt: Q9NRA0Human</p>

[SwissProt: Q9JIA7](#)Mouse

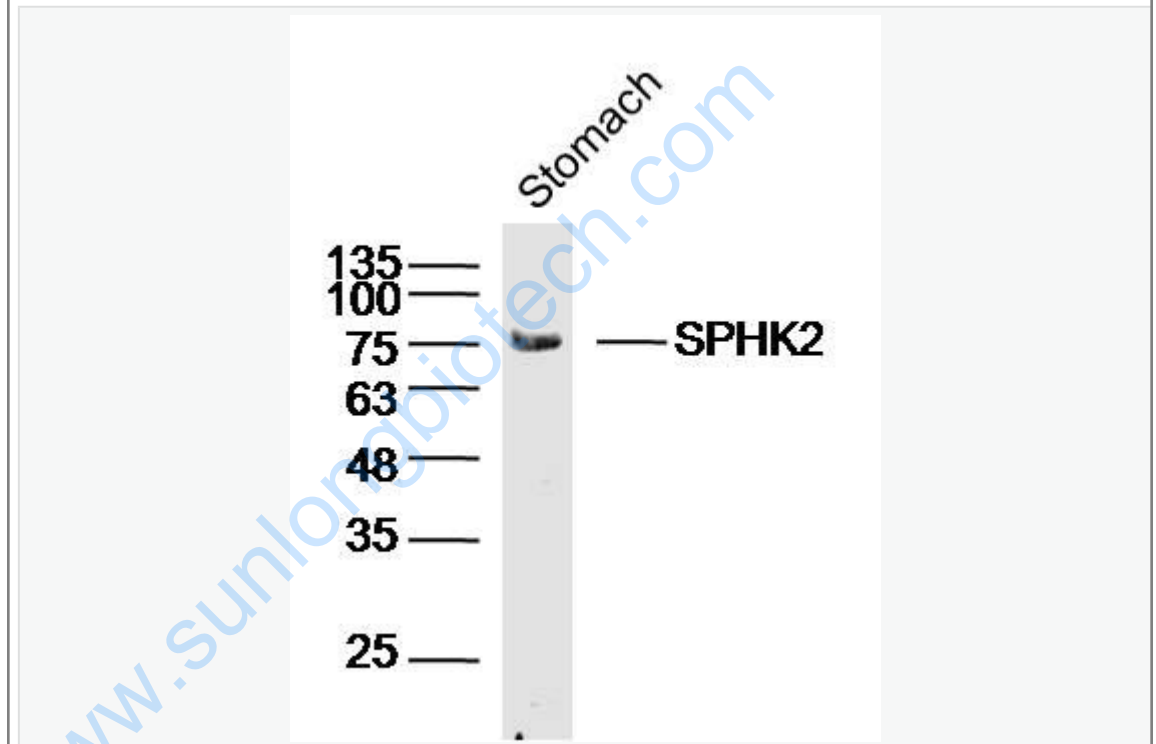
[Unigene: 528006](#)Human

[Unigene: 24222](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



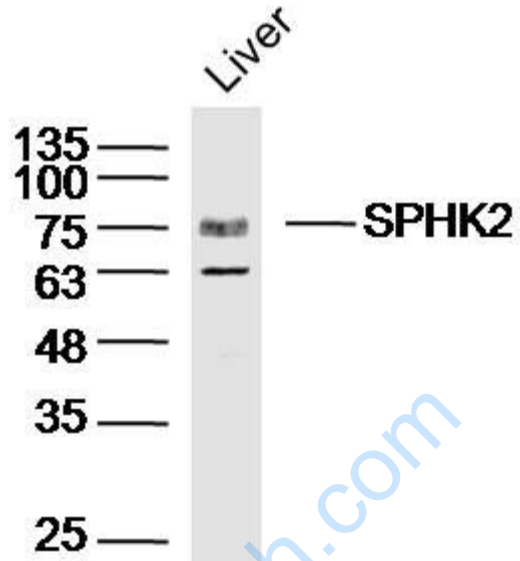
Sample: Stomach (Mouse) Lysate at 40 ug

Primary: Anti-SPHK2(SL2653R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 72kD

Observed band size: 75kD



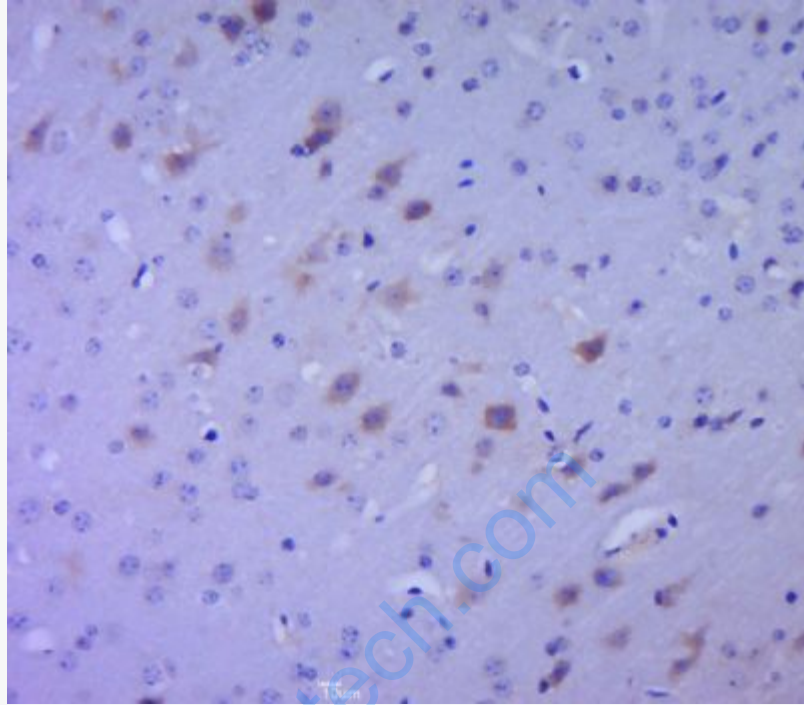
Sample: Liver (Mouse) Lysate at 40 ug

Primary: Anti-SPHK2(SL2653R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 72kD

Observed band size: 75kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SPHK2) Polyclonal Antibody, Unconjugated (SL2653R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.