

For Research Use Only

SPHK2 Monoclonal antibody

Catalog Number: 68871-4-Ig



Basic Information

Catalog Number: 68871-4-Ig	GenBank Accession Number: BC010671	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 56848	CloneNo.: 2B5G5
Source: Mouse	UNIPROT ID: Q9NRA0	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: sphingosine kinase 2	
Immunogen Catalog Number: AG10569	Calculated MW: 618 aa, 65 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : LNCaP cells, HT-29 cells, Caco-2 cells, Jurkat cells, MOLT-4 cells, MJ cells, J774A.1 cells, Rat brain tissue, Mouse brain tissue

Background Information

SPHK2(Sphingosine kinase 2) is also named as SK2, SPIK2 and catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra- and extracellular functions. SPHK2 associates with HDAC1 and HDAC2 in repressor complexes and is selectively enriched at the promoters of the genes encoding the cyclin-dependent kinase inhibitor p21 or the transcriptional regulator c-fos, where it enhanced local histone H3 acetylation and transcription. SphK2 is a ~66kDa protein that is most abundantly expressed in the liver and heart(PMID:19168577). SphK2 has two splice variants, which are the 68-kDa SphK2-S and the NH2-terminal extended 72-kDa SphK2-L (PMID:17974990).

Storage

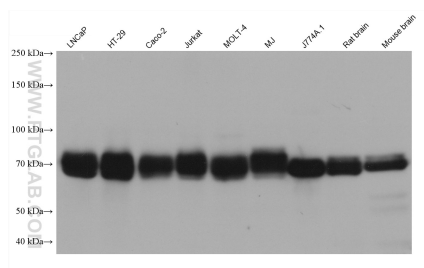
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68871-4-Ig (SPHK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.