

For Research Use Only

SPHK2 Monoclonal antibody, PBS Only

Catalog Number: 68871-4-PBS



Basic Information

Catalog Number: 68871-4-PBS	GenBank Accession Number: BC010671	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 56848	CloneNo.: 2B5G5
Source: Mouse	UNIPROT ID: Q9NRA0	
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, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

SPHK2(Sphingosine kinase 2) is also named as SK2, SPK2 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

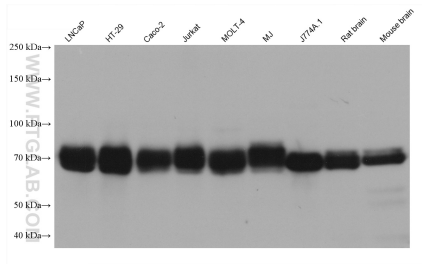
T: 4006900926

E: Proteintech-CN@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 68871-4-PBS in a different storage buffer formulation.