

For Research Use Only

SPHK2 Monoclonal antibody, PBS Only

Catalog Number: 68871-4-PBS



Basic Information

Catalog Number:

68871-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG10569

GenBank Accession Number:

BC010671

GeneID (NCBI):

56848

UNIPROT ID:

Q9NRA0

Full Name:

sphingosine kinase 2

Calculated MW:

618 aa, 65 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein A purification

CloneNo.:

2B5G5

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

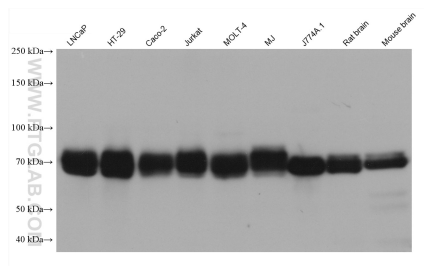
For technical support and original validation data for this product please contact:

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