

For Research Use Only

SPHK1 Recombinant antibody

Catalog Number: 82609-1-RR



Basic Information

Catalog Number: 82609-1-RR	GenBank Accession Number: BC008040	Purification Method: Protein A purification
Size: 500 µg/ml	GeneID (NCBI): 8877	CloneNo.: 2K12
Source: Rabbit	UNIPROT ID: Q9NYA1	Recommended Dilutions: WB 1:1000-1:5000
Isotype: IgG	Full Name: sphingosine kinase 1	
Immunogen Catalog Number: AG1051	Calculated MW: 43 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, L02 cells, MCF-7 cells, NIH/3T3 cells
Species Specificity: Human, mouse	

Background Information

SPHK(Sphingosine kinase 1) is also named as SPHK, SPK. It catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra- and extracellular functions and is precariously perched at the balance point between pro-growth and pro-death signalling in the cell. Endogenous SPHK1 purified from placenta has identical enzymatic characteristics, suggesting posttranslational modification does not effect functional properties (PMID:10947957). It has 2 isoforms produced by alternative splicing and can form the oligomeric structure (PMID:22335554).

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

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

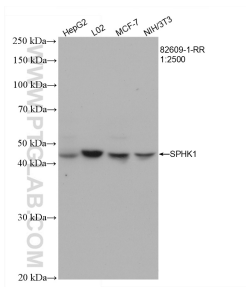
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82609-1-RR (SPHK1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.