

For Research Use Only

SPHK1 Recombinant antibody

Catalog Number: 84640-1-RR



Basic Information

Catalog Number:

84640-1-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_182965

GeneID (NCBI):

8877

UNIPROT ID:

Q9NYA1

Full Name:

sphingosine kinase 1

Calculated MW:

51 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

241017A6

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : THP-1 cells,

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

*** 20ul sizes contain 0.1% BSA

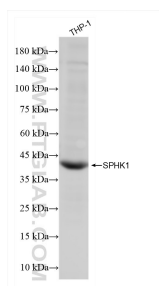
For technical support and original validation data for this product please contact:

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Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 84640-1-RR (SPHK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.