

For Research Use Only

SPHK1 Recombinant antibody, PBS Only

Catalog Number: 82609-1-PBS



Basic Information

Catalog Number:

82609-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1051

GenBank Accession Number:

BC008040

GeneID (NCBI):

8877

UNIPROT ID:

Q9NYA1

Full Name:

sphingosine kinase 1

Calculated MW:

43 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

2K12

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

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 progrowth 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 -80°C.

Storage Buffer:

PBS Only

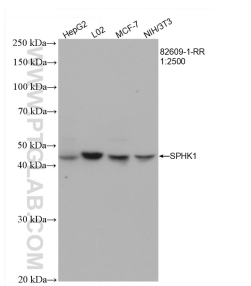
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

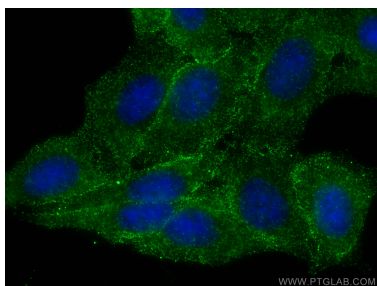
E: proteintech@ptglab.com
W: ptglab.com

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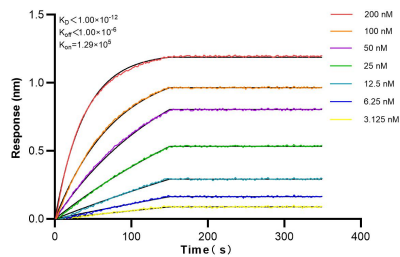
Selected Validation Data



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. This data was developed using the same antibody clone with 82609-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SPHK1 antibody (82609-1-RR, Clone: 2K12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 82609-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82609-1-RR against Human SPHK1 were performed. The affinity constant is below 1 pM.