

For Research Use Only

CoraLite® Plus 488-conjugated SPHK2 Polyclonal antibody

Catalog Number: CL488-17096

Featured Product



Basic Information

Catalog Number:

CL488-17096

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

FC (Intra): 0.80 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

FC (Intra) : HeLa cells,

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

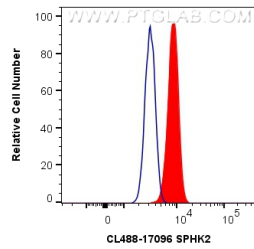
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human SPHK2 (CL488-17096) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).