

For Research Use Only

CoraLite® Plus 488-conjugated SPHK2 Polyclonal antibody



Catalog Number: CL488-17096

Featured Product

Basic Information

Catalog Number: CL488-17096	GenBank Accession Number: BC010671	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 56848	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	Full Name: sphingosine kinase 2	
Isotype: IgG	Calculated MW: 618 aa, 65 kDa	
Immunogen Catalog Number: AG10569	Observed MW: 65-70 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

SPHK2(Sphingosine kinase 2) is also named as SK2, SPK2 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

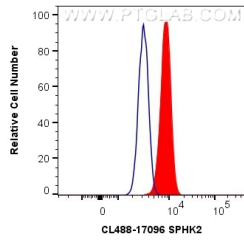
For technical support and original validation data for this product please contact:

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

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).