

For Research Use Only

CoraLite® Plus 488-conjugated SIK1 Recombinant antibody

Catalog Number:CL488-83897-4



Basic Information

Catalog Number:

CL488-83897-4

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28481

GenBank Accession Number:

BC038504

GeneID (NCBI):

150094

UNIPROT ID:

P57059

Full Name:

salt-inducible kinase 1

Calculated MW:

783 aa, 85 kDa

Observed MW:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

240961H3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : A549 cells,

Background Information

SIK1(Salt-inducible kinase 1) is also named SIK, SNF1LK, and belongs to the CAMK Ser/Thr protein kinase family. It associates constitutively with the NK regulatory complex and is responsible for increases in its catalytic activity following small elevations in intracellular sodium concentrations(PMID:17939993). SIK1 is required for the phosphorylation of class II HDACs and expression of MEF2 target genes in myocytes(PMID:17468767). Defects in SIK1 may be associated with some cancers, such as breast cancer. Loss of SIK1 correlates with poor patient outcomes in breast cancers(PMID:19622832).

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

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

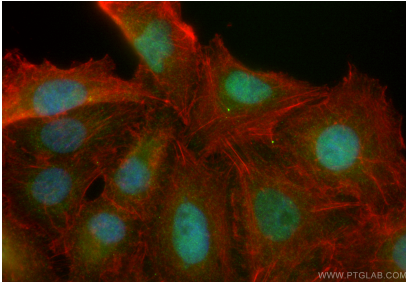
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 SIK1 antibody (CL488-83897-4, Clone: 240961H3) at dilution of 1:200, CL594-Phalloidin (red).