

For Research Use Only

# CoraLite® Plus 488-conjugated SIK1 Recombinant antibody

Catalog Number: CL488-83897-4



## Basic Information

<b>Catalog Number:</b> CL488-83897-4	<b>GenBank Accession Number:</b> BC038504	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 150094	<b>CloneNo.:</b> 240961H3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P57059	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> salt-inducible kinase 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG28481	<b>Calculated MW:</b> 783 aa, 85 kDa	
	<b>Observed MW:</b> 85 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : A549 cells,
<b>Species Specificity:</b> human	

## 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).

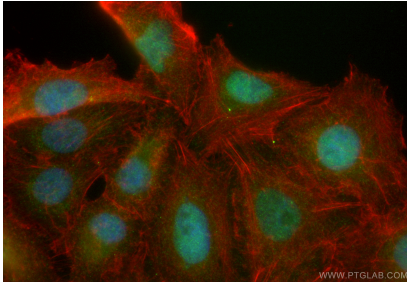
## Storage

**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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## 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).