

For Research Use Only

SIK1 Polyclonal antibody

Catalog Number: 17370-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

17370-1-AP

Size:

150ul, Concentration: 213 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10954

GenBank Accession Number:

BC038504

GeneID (NCBI):

150094

UNIPROT ID:

P57059

Full Name:

salt-inducible kinase 1

Calculated MW:

783 aa, 85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:20-1:200

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

IHC : human testis tissue, human stomach tissue, human colon cancer tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SIK1 (Salt-inducible kinase 1) is also named as 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 phosphorylation of class II HDACs and for expression of MEF2 target genes in myocytes (PMID:17468767). Defects in SIK1 may be associated with some cancers, such as breast cancers. Loss of SIK1 correlates with poor patient outcome in breast cancers (PMID:19622832).

Notable Publications

Author	Pubmed ID	Journal	Application
Maria Stella Lombardi	28973003	PLoS One	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

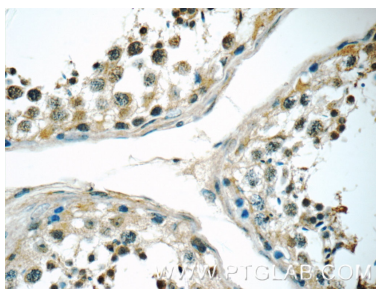
For technical support and original validation data for this product please contact:

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

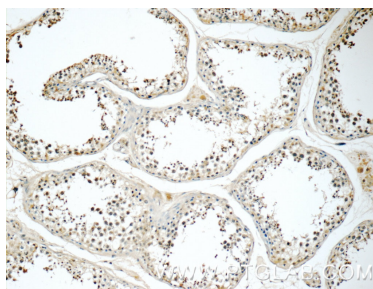
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17370-1-AP (SIK1 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17370-1-AP (SIK1 Antibody) at dilution of 1:50 (under 10x lens).