For Research Use Only

SIK1 Polyclonal antibody

Catalog Number:17370-1-AP Featured Product 2 Publications

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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

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

Positive Controls:

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

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
Dongxuan Huang	39959414	Mediators Inflamm	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
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
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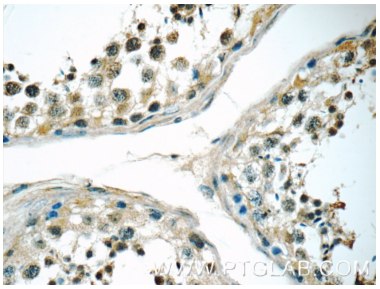
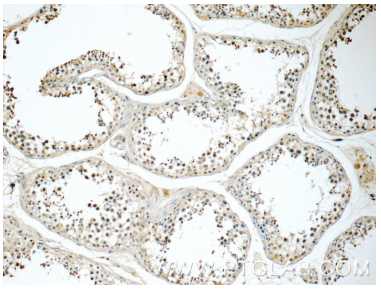
Selected Validation Data



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).