

For Research Use Only

# SGK3 Polyclonal antibody

Catalog Number: 12699-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

12699-1-AP

### Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3149

### GenBank Accession Number:

BC015326

### GeneID (NCBI):

23678

### UNIPROT ID:

Q53EW6

### Full Name:

serum/glucocorticoid regulated kinase family, member 3

### Calculated MW:

496 aa, 57 kDa

### Observed MW:

57 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse, rat

### Positive Controls:

WB: HeLa cells, A375 cells, human liver tissue, mouse skin tissue, rat kidney tissue

IP: mouse heart tissue,

IHC: human pancreas cancer tissue, human cervical cancer tissue

IF/ICC: A375 cells,

**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

Serum- and glucocorticoid-inducible kinase 3 (SGK3) is a protein kinase of the AGC family of protein kinase A, protein kinase G, and protein kinase C and functions downstream of phosphatidylinositol 3-kinase (PI3K) (PMID:21084382). It is also named as DKFZp781N0293, CISK, SGK2, SGK1 and may be involved in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. SGK3 mediates cell IL-3-dependent survival signals (PMID:12397388). SGK3 has 2 isoforms produced by alternative splicing with the molecular weight of 57 kDa and 53 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Seonghee Jung	31234698	Autophagy	WB
Huapan Shu	37361201	Front Pharmacol	WB, IHC, IF
Kang Guo	33692998	Front Cell Dev Biol	IF

## 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

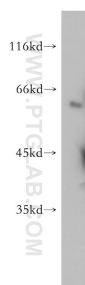
For technical support and original validation data for this product please contact:

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

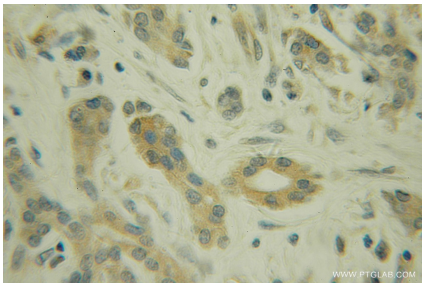
E: proteintech@ptglab.com  
W: ptglab.com

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

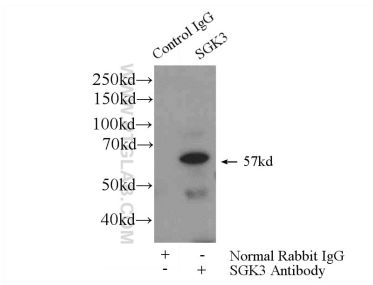
Selected Validation Data



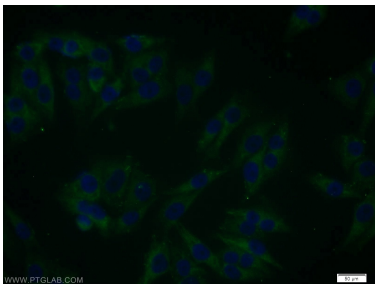
HeLa cells were subjected to SDS PAGE followed by western blot with 12699-1-AP (SGK3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12699-1-AP (SGK3 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-SGK3 (IP:12699-1-AP, 4ug; Detection:12699-1-AP 1:500) with mouse heart tissue lysate 3200ug.



Immunofluorescent analysis of A375 cells using 12699-1-AP (SGK3 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).