

SGK3 Polyclonal antibody

Catalog Number: 12699-1-AP

Featured Product

3 Publications

Basic Information

Catalog Number:

12699-1-AP

Size:

260 µg/ml

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 µg 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

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:

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,

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

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

T: 4006900926

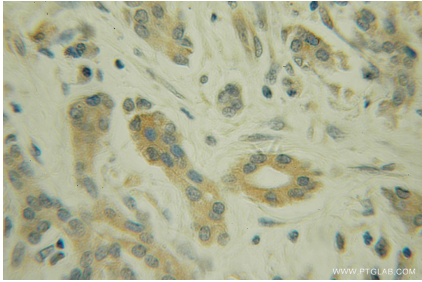
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

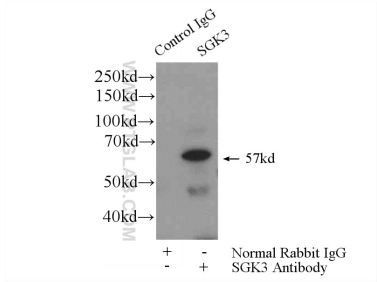
Selected Validation Data



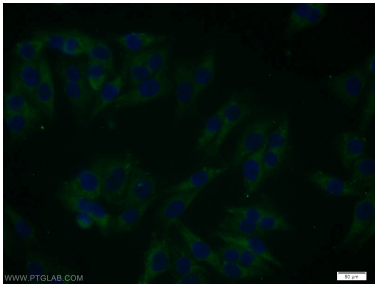
HeLa cells were subjected to SDS PAGE followed by western blot with 12699-1-AP (SGK3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).