

SGK1(Phospho Ser422) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07948
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human SGK around the phosphorylation site of Ser422. AA range:381-430
Mol wt	48942
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Serine/threonine-protein kinase Sgk1
Synonyms	Serine/threonine-protein kinase Sgk1; SGK1; SGK; Serine/threonine-protein kinase Sgk1; Serum/glucocorticoid-regulated kinase 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium| sodium| and chloride channels| suggesting an involvement in the regulation of processes such as cell survival| neuronal excitability| and renal sodium excretion. High levels of expression of this gene may contribute to conditions such as hypertension and diabetic nephropathy. Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Recommended Dilution

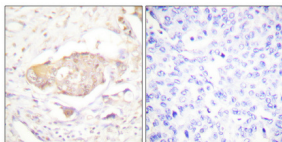
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

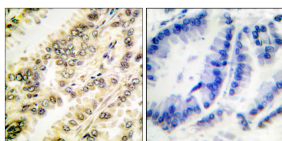
ELISA: 1: 40000

Not yet tested in other applications.

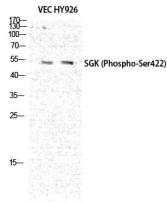
Images



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using SGK (Phospho-Ser422) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of VEC HY926 cells using Phospho-SGK1 (S422) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HeLa cells treated with Insulin 0.01U/ml 15', using SGK (Phospho-Ser422) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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