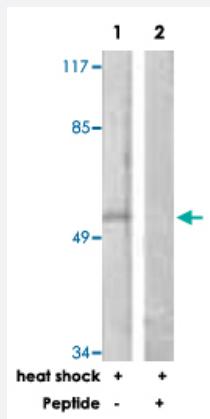


SGK1 polyclonal antibody

Catalog # PAB18262 Size 100 ug

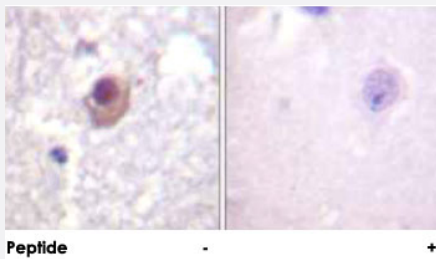
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, treated with heat shock, using SGK1 polyclonal antibody (Cat # PAB18262).

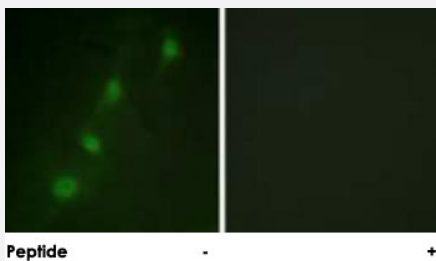
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using SGK1 polyclonal antibody (Cat # PAB18262).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using SGK1 polyclonal antibody (Cat # PAB18262).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of SGK1.

Immunogen	A synthetic peptide corresponding to residues surrounding S78 of human SGK1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to SGK1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, treated with heat shock, using SGK1 polyclonal antibody (Cat # PAB18262).
Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using SGK1 polyclonal antibody (Cat # PAB18262).
Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HeLa cells, using SGK1 polyclonal antibody (Cat # PAB18262).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SGK1

Entrez GeneID [6446](#)

Protein Accession# [O00141](#)

Gene Name SGK1

Gene Alias SGK

Gene Description serum/glucocorticoid regulated kinase 1

Omim ID [602958](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000017247|serine/threonine protein kinase SGK

Publication Reference

- [Expression of the serum- and glucocorticoid-inducible protein kinase, Sgk, is a cell survival response to multiple types of environmental stress stimuli in mammary epithelial cells.](#)

Leong ML, Maiyar AC, Kim B, O'Keeffe BA, Firestone GL.

The Journal of Biological Chemistry 2003 Feb; 278(8):5871.

Application: IF, WB-Ce, WB-Tr, Mouse, NMuMg cells

- [Protein kinase SGK mediates survival signals by phosphorylating the forkhead transcription factor FKHL1 \(FOXO3a\).](#)

Brunet A, Park J, Tran H, Hu LS, Hemmings BA, Greenberg ME.

Molecular and Cellular Biology 2001 Feb; 21(3):952.

Application: WB-Ce, Rat, Cerebellar granule neurons

- [Activation of serum- and glucocorticoid-induced protein kinase \(Sgk\) by cyclic AMP and insulin.](#)

Perrotti N, He RA, Phillips SA, Haft CR, Taylor SI.

Journal of Biological Chemistry 2001 Mar; 276(12):9406.

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Kidney Failure](#)