

Rabbit SGK1 Polyclonal Antibody | anti-SGK1 antibody

SGK1 Antibody

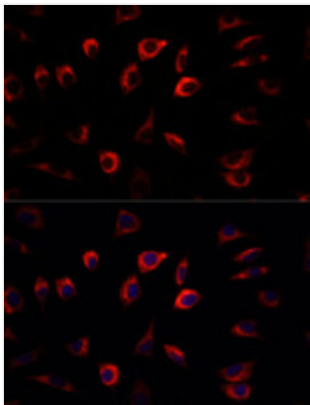
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29714	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

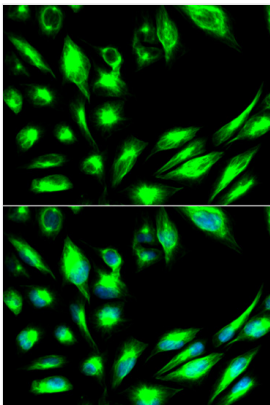
SGK1; Polyclonal Antibody; SGK1 Antibody; SGK; anti-SGK1 antibody

PRODUCT SPECIFICATIONS

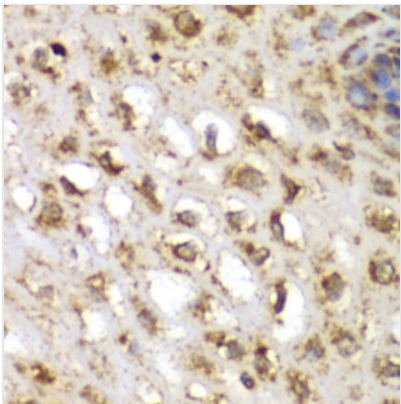
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total SGK1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	526
Applicable Applications for anti-SGK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human SGK1.
Target Name	SGK1
Preparation and Storage	Store at -20°C



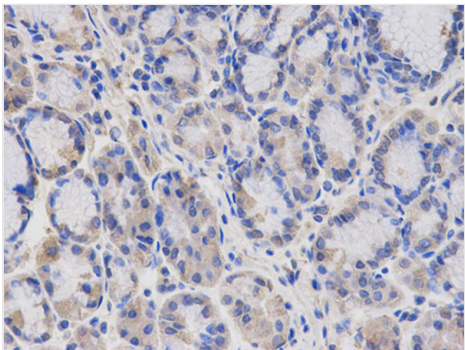
IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using SGK1 at dilution of 1:100. Blue: DAPI for nuclear staining.



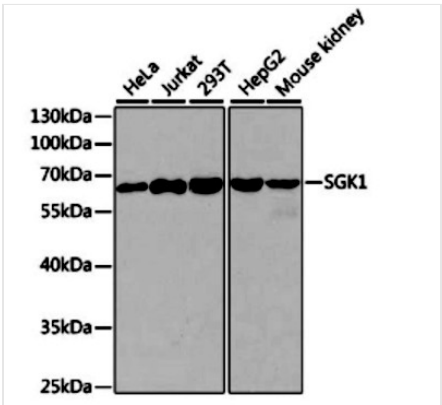
IF (Immunofluorescence)
Immunofluorescence analysis of MCF7 cell using SGK1 antibody. Blue: DAPI for nuclear staining.



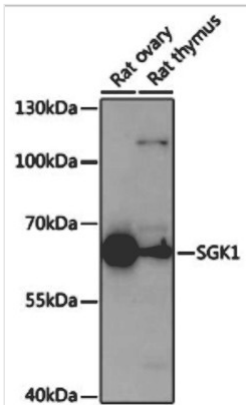
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human esophagus using SGK1 at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human stomach using SGK1 antibody at dilution of 1:100 (400x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using SGK1 at 1:1000 dilution.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using SGK1 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SGK1 antibody	Serum and glucocorticoid-inducible kinase (SGK) is a serine/threonine kinase closely related to Akt (1). SGK is rapidly induced in response to a variety of stimuli, including serum, glucocorticoid, follicle stimulating hormone, osmotic shock, and mineralocorticoids. SGK activation can be accomplished via HGF PI3K-dependent pathways and by integrin-mediated PI3K-independent pathways (2,3). Induction and activation of SGK has been implicated in activating the modulation of anti-apoptotic and cell cycle regulation (4-6). SGK also plays an important role in activating certain potassium, sodium, and chloride channels, suggesting its involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion (2). SGK is negatively regulated by ubiquitination and proteasome degradation (7). (2) SGK is negatively regulated by ubiquitination and proteasome degradation (7). The MAP kinase family member BMK1 interacts with and activates SGK by phosphorylation at serine 78 (6).
Product Categories/Family for anti-SGK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	219521876
NCBI GeneID	6446
NCBI Accession #	NP_001137148.1
NCBI GenBank Nucleotide #	NM_001143676.1
UniProt Accession #	O00141; Q5TCN2; Q5TCN3; Q5TCN4; Q5VY65; Q9UN56; B7UUP7; B7UUP8; B7UUP9; B7Z5B2; E1P583
Molecular Weight	SDS-PAGE MW: 49KD
NCBI Official Full Name	serine/threonine-protein kinase Sgk1 isoform 2
NCBI Official Synonym Full Names	serum/glucocorticoid regulated kinase 1
NCBI Official Symbol	SGK1
NCBI Official Synonym Symbols	SGK
NCBI Protein Information	serine/threonine-protein kinase Sgk1
UniProt Protein Name	Serine/threonine-protein kinase Sgk1
UniProt Gene Name	SGK1
UniProt Synonym Gene Names	SGK
UniProt Entry Name	SGK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sgk1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29714>