

Rabbit anti-Human, Rat SGK2 Polyclonal Antibody | anti-SGK2 antibody

Phospho-SGK2 (Thr253) Antibody

CATALOG # AAA329318	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

SGK2; Polyclonal Antibody; Phospho-SGK2 (Thr253) Antibody; DJ138B7.2; H SGK2; HSGK2; Serine/threonine protein kinase SGK2; Serine/threonine-protein kinase Sgk2; Serum/glucocorticoid regulated kinase 2; Serum/glucocorticoid-regulated kinase 2; SGK2_HUMAN; anti-SGK2 antibody

PRODUCT SPECIFICATIONS

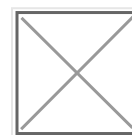
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-SGK2 (Thr253) Antibody detects endogenous levels of SGK2 only when phosphorylated at Thr253. Tissue Specificity: Highly expressed in liver, kidney and pancreas, and at lower levels in brain.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SGK2 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SGK2 around the phosphorylation site of Thr253.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Activated by phosphorylation on Ser-416 by an unknown kinase (may be mTORC2 but not confirmed), transforming it into a substrate for PDPK1 which then phosphorylates it on Thr-253.
Similarity	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family.
Subcellular Location	Cytoplasm. Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

Staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Hela cells (serum starvation treatment), using Phospho-SGK2 (Thr253) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SGK2 antibody	Serine/threonine-protein kinase which is involved in the regulation of a wide variety of ion channels, membrane transporters, cell growth, survival and proliferation. Up-regulates Na (+) channels: SCNN1A/ENAC, K (+) channels: KCNA3/Kv1.3, KCNE1 and KCNQ1, amino acid transporter: SLC6A19, glutamate transporter: SLC1A6/EAAT4, glutamate receptors: GRIA1/GLUR1 and GRIK2/GLUR6, Na (+)/H (+) exchanger: SLC9A3/NHE3, and the Na (+)/K (+) ATPase.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20127541
NCBI GeneID	10110
NCBI Accession #	NP_057360.2
NCBI GenBank Nucleotide #	NM_016276.3
UniProt Accession #	Q9HBY8; Q52PK5; Q5H8Y6; Q5H8Z1; Q5TZR3; Q9UKG6
Molecular Weight	43,977 Da
NCBI Official Full Name	serine/threonine-protein kinase Sgk2 isoform beta
NCBI Official Synonym Full Names	serum/glucocorticoid regulated kinase 2
NCBI Official Symbol	SGK2
NCBI Official Synonym Symbols	H-SGK2; dJ138B7.2
NCBI Protein Information	serine/threonine-protein kinase Sgk2
UniProt Protein Name	Serine/threonine-protein kinase Sgk2
UniProt Gene Name	SGK2
UniProt Entry Name	SGK2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sgk2-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329318>