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SGK2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7947b

Specification

SGK2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9HBY8

SGK2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 10110

Other Names
Serine/threonine-protein kinase Sgk2, Serum/glucocorticoid-regulated kinase 2, SGK2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7947b was selected from the C-term region of human SGK2 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SGK2 Antibody (C-term) Blocking Peptide - Protein Information

Name SGK2

SGK2 Antibody (C-term) Blocking Peptide - Background

SGK2, a Ser/Thr protein kinase, is similar to serum- and glucocorticoid-induced protein kinase (SGK), but this gene product is not induced by serum or glucocorticoids. Expression is induced in response to signals that activate phosphatidylinositol 3-kinase, which is also true for SGK.

SGK2 Antibody (C-term) Blocking Peptide - References

Friedrich, B., et al., Pflugers Arch. 445(6):693-696 (2003).Embark, H.M., et al., Pflugers Arch. 445(5):601-606 (2003).Gamper, N., et al., Pflugers Arch. 445(1):60-66 (2002).Lang, F., et al., Sci. STKE 2001 (108), RE17 (2001).Kobayashi, T., et al., Biochem. J. 344 Pt 1, 189-197 (1999).

Function
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.

Cellular Location
Cytoplasm. Nucleus

Tissue Location
Highly expressed in liver, kidney and pancreas, and at lower levels in brain.

SGK2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides