10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SGK2 Rabbit pAb

Catalog # AP99387

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9HBY8
Other Accession	Q9HBY8
Reactivity	Human, Mouse
Predicted	Rat, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41175
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SGK2
Epitope Specificity	301-400/427
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. Contains 1 AGC-kinase C-terminal domain. Contains 1 protein kinase domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a serine/threonine protein kinase. Although this gene product is similar to serum- and glucocorticoid-induced protein kinase (SGK), this gene is not induced by serum or glucocorticoids. This gene is induced in response to signals that activate phosphatidylinositol 3-kinase, which is also true for SGK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]

Additional Information

Gene ID	10110
Other Names	H-SGK2; dJ138B7.2; SGK2_HUMAN; SGK2; Serum/glucocorticoid-regulated kinase 2; 2.7.11.1; serum/glucocorticoid regulated kinase 2; SGK2, serine/threonine kinase 2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SGK2
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.