

Anti-SGK1 (full length) polyclonal antibody (DPAB-DC2846)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	SGK (AAH01263.1, 1 a.a. ~ 431 a.a) full-length recombinant protein with GST tag. The sequence is MTVKTEAAKGTLTYSRMRGMVAILIAFMKQRRMGLNDFIQKIANNSYACKHPEVQSILKI SQPQEPELMNANPSPPPSPSQQINLGPSSNPHAKPSDFHFLKVIGKGSFGKVLLARHKAE EVFYAVKVLQKKAILKKKEEKHIMSERNVLLKNVKHPFLVGLHFSFQTADKLYFVLDYIN GGELFYHLQRERCFLEPRARFYAAEIASALGYLHSLNIVYRDLKPENILLDSQGHIVLTD FGLCKENIEHNSTTSTFCGTPEYLAPEVLHKQPYDRTVDWWCLGAVLYEMLYGLPPFYSR NTAEMYDNILNKPLQLKPNITNSARHLLEGLLQKDRTKRLGAKDDFMEIKSHVFFSLINW DDLINKKITPPFNPNVSGPNDLRHFDPEFTEEPVPNSIGKSPD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SGK1 serum/glucocorticoid regulated kinase 1 [Homo sapiens (human)]
Official Symbol	SGK1
Synonyms	SGK1; serum/glucocorticoid regulated kinase 1; SGK; serine/threonine-protein kinase Sgk1; Sgk1 variant i3; serine/threonine protein kinase SGK; serum/glucocorticoid-regulated kinase 1;
Entrez Gene ID	6446
Protein Refseq	NP_001137148
UniProt ID	O00141
Chromosome Location	6q23
Pathway	Aldosterone-regulated sodium reabsorption; FSH signaling pathway; FoxO signaling pathway; IL-6 Signaling Pathway
Function	ATP binding; calcium channel regulator activity; chloride channel regulator activity; potassium channel regulator activity

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