

Recombinant SGK1 Monoclonal Antibody

catalog number: **AN301954L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

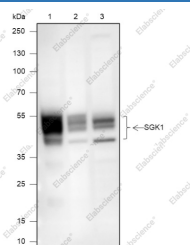
Reactivity	Human
Immunogen	Recombinant human SGK1 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331575
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000
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Data



Western Blot with SGK1 Monoclonal Antibody at dilution of 1:1000. Lane 1: SK-MEL-28, Lane 2: A375, Lane 3: HeLa

Observed-MW:45-55 kDa

Calculated-MW:49 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Serum and glucocorticoid-inducible kinase (SGK) is a serine/threonine kinase closely related to Akt. 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. Induction and activation of SGK has been implicated in activating the modulation of anti-apoptotic and cell cycle regulation. 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. SGK is negatively regulated by ubiquitination and proteasome degradation. In addition to its membrane channel and carrier functions, SGK1 also regulates a broad range of targets, such as GSK-3, NEDD4, iNOS, AMPAR, PSD95, Tau, NF- κ B, CREB, and FKHR-L1.

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

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