

Product Datasheet

SGK1 Antibody

Catalog No: CY5613

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC IP FC



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Information

UniProt ID: O00141

All Names: EC 2.7.11.1; SGK; SGK1; Serum/glucocorticoid-regulated kinase; Serum/glucocorticoid-regulated kinase 1; Sgk; Sgk1; kinase SGK;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 57 kDa

Application

WB: 1:500~1:1000

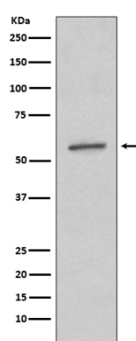
IHC: 1:50~1:200

IP: 1:50

FC: 1:30

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. The MAP kinase family member BMK1 interacts with and activates SGK by phosphorylation at serine 78.



Western blot analysis of SGK1 expression in A431 cell lysate.

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