

## Product datasheet for **TA326894S**

### SGK1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human SGK1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	serum/glucocorticoid regulated kinase 1
Database Link:	<a href="#">NP_005618</a> <a href="#">Entrez Gene 20393 Mouse</a> <a href="#">Entrez Gene 29517 Rat</a> <a href="#">O00141</a>



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**Background:**

Serum and glucocorticoid-inducible kinase (SGK) is a serine/threonine kinase closely related to Akt (1). 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.

**Synonyms:**

SGK

**Protein Families:**

Druggable Genome, Protein Kinase