

## Product datasheet for **TA363187**

### Sgk3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of mouse SGK3
Specificity:	<b>Expected reactivity:</b> Mouse
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	54 kDa
Gene Name:	serum/glucocorticoid regulated kinase 3
Database Link:	<a href="#">NP_001032848.1</a> <a href="#">Entrez Gene 170755 Mouse</a> <a href="#">Q9ERE3</a>



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**Background:**

Serine/threonine-protein kinase which is involved in the regulation of a wide variety of ion channels, membrane transporters, cell growth, proliferation, survival and migration. Up-regulates Na<sup>+</sup> channels: SCNN1A/ENAC and SCN5A, K<sup>+</sup> channels: KCNA3/KV1.3, KCNE1, KCNQ1 and KCNH2/HERG, epithelial Ca<sup>2+</sup> channels: TRPV5 and TRPV6, chloride channel: BSND, creatine transporter: SLC6A8, Na<sup>+</sup>/dicarboxylate cotransporter: SLC13A2/NADC1, Na<sup>+</sup>-dependent phosphate cotransporter: SLC34A2/NAPI-2B, amino acid transporters: SLC1A5/ASCT2 and SLC6A19, glutamate transporters: SLC1A3/EAAT1, SLC1A6/EAAT4 and SLC1A7/EAAT5, glutamate receptors: GRIA1/GLUR1 and GRIK2/GLUR6, Na<sup>+</sup>/H<sup>+</sup> exchanger: SLC9A3/NHE3, and the Na<sup>+</sup>/K<sup>+</sup> ATPase. Plays a role in the regulation of renal tubular phosphate transport and bone density. Phosphorylates NEDD4L and GSK3B. Positively regulates ER transcription activity through phosphorylation of FLII. Negatively regulates the function of ITCH/AIP4 via its phosphorylation and thereby prevents CXCR4 from being efficiently sorted to lysosomes.

**Synonyms:**

CISK; DKFZp781N0293; SGK2; SGKL

**Product images:**

Host: Rabbit  
Target Name: Sgk3  
Sample Type: SP2/0 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: SGK3  
Sample Tissue: Mouse SP2/0 Whole Cell lysates  
Antibody Dilution: 1 µg/ml