

## Product Information

**Anti-SGK (ab2)**  
antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW21987B**  
Formerly listed as GenWay Catalog Number 15-288-21987B,  
Serine/threonine-protein kinase Sgk1 Antibody.

Storage Temperature Store at -20 °C

Synonyms: Serum/glucocorticoid regulated kinase, EC 2.7.11.1; Serum/glucocorticoid-regulated kinase 1

### Product Description

Protein kinase that plays an important role in cellular stress response. 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. Sustained high levels and activity may contribute to conditions such as hypertension and diabetic nephropathy. Mediates cell survival signals, phosphorylates and negatively regulates pro-apoptotic FOXO3A. Phosphorylates NEDD4L, which leads to its inactivation and to the subsequent activation of various channels and transporters such as ENaC, Kv1.3, or EAAT1.

NCBI Accession number: NP\_005618.2

Swiss Prot Accession number: O00141

Gene Information: Human .. SGK (6446)

Immunogen: Recombinant protein Serum/glucocorticoid regulated kinase

Immunogen Sequence: GI # 25168263, sequence 211 - 431

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

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