

DESCRIPTION

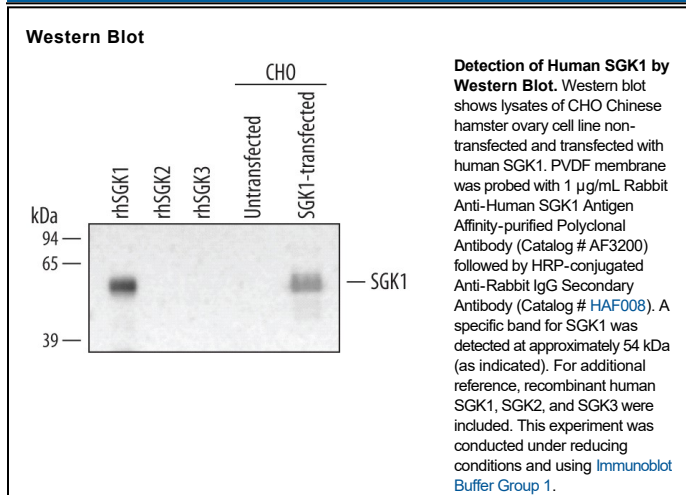
Species Reactivity	Human
Specificity	Detects human SGK1 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) SGK2 and rhSGK3 is observed.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SGK1 Met1-Leu431 Accession # O00141
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Serum- and glucocorticoid-regulated protein kinase 1 (SGK1) is a member of the AGC family of serine/threonine kinases. In addition to serum and glucocorticoids, insulin, IGF-I, osmotic shock, and mineralocorticoids have been demonstrated to activate SGK1. Expressed at low levels, SGK1 appears to function as a regulator of epithelial ion transport. Sustained high levels of SGK1 activation have been implicated in hypertension and diabetic nephropathy.