

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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