

## SGK1 (E416) polyclonal antibody

Catalog: BS1422

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Serum- and glucocorticoid-regulated kinase (SGK), also known as SGK1, is a serine/threonine protein kinase and a member of the "AGC" subfamily, which includes protein kinases A, G, and C. SGK plays an important role in activating certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. SGK contains a catalytic domain, which is most similar to Akt1. SGK is a downstream target of PI 3-kinase-stimulated growth factor signaling, with 3-phosphoinositide-dependent protein kinase 1 (PDK1) capable of phosphorylating the activation-loop of SGK at Threonine-256.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 54 kDa

### Swiss-Prot:

O00141

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

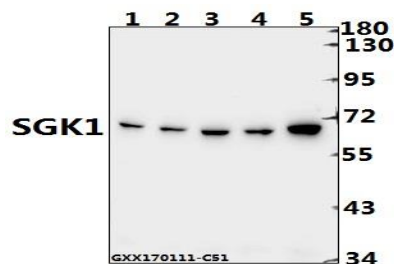
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

SGK1 (E416) polyclonal antibody detects endogenous levels of SGK1 protein

### DATA:



Western blot (WB) analysis of SGK1 (E416) polyclonal antibody at 1:500 dilution

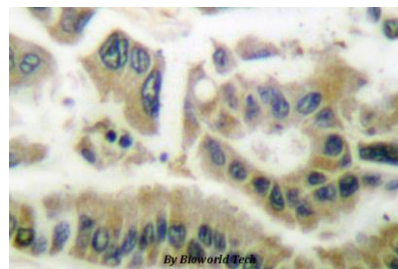
Lane1:L02 whole cell lysate(40ug)

Lane2:HCT116 whole cell lysate(40ug)

Lane3:H1792 whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of SGK1 (E416) pAb in paraffin-embedded human breast carcinoma tissue.

### Note:

For research use only, not for use in diagnostic procedure.

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