

## SGK 1 (P73) polyclonal antibody

Catalog: BCP01506

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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### 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

IF: 1:50~1:200

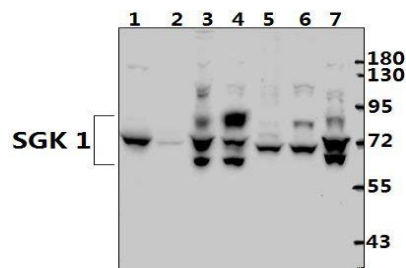
### Storage&Stability:

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

### Specificity:

SGK (P73) polyclonal antibody detects endogenous levels of SGK protein.

### DATA:



Western blot (WB) analysis of SGK 1 (P73) pAb at 1:500 dilution

Lane1:The Kidney tissue lysate of Mouse(40ug)

Lane2:The Kidney tissue lysate of Rat(40ug)

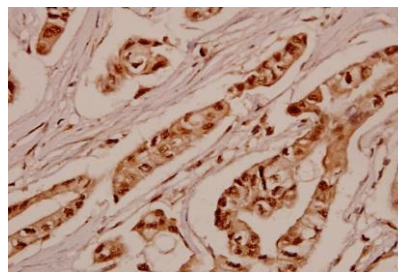
Lane3:Panc1 whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)

Lane5:3T3-L1 whole cell lysate(40ug)

Lane6:PMVEC whole cell lysate(40ug)

Lane7:HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of SGK 1 (P73) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

### Note:

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