Phospho-SGK1 (Ser422) Polyclonal Antibody

Catalog No. E-AB-20978

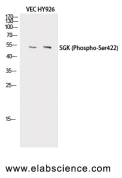
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthesized peptide derived from human SGK1 around the phosphorylation site of Ser422
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
ELISA	1:40000

Data



Western Blot analysis of VEC, HY926 cells with Phospho-SGK1 (Ser422) Polyclonal Antibody at dilution of 1:500
Observed Mw:57kDa
Calculated Mw:49kDa

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

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, KCNA3/Kv1.3 or EAAT1. Isoform 2 exhibited a greater effect on cell plasma membrane

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expression of ENaC and Na(+) transport than isoform 1.

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