

## PKD1 (phospho-S910) polyclonal antibody

Catalog: BS4862

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Activation of PKC is one of the earliest events in a cascade leading to a variety of cellular responses such as secretion, gene expression, proliferation and muscle contraction. Protein kinase D (PKD), also called PKC $\mu$ , is a serine/threonine kinase whose activation is dependent on the phosphorylation of two activation loop sites, Ser744 and Ser748, via a PKC-dependent signaling pathway. In addition to the two activation loop sites, the carboxy-terminal Ser916 has been identified as an auto-phosphorylation site for PKD/PKC $\mu$ . Phosphorylation at Ser916 correlates with PKD/PKC $\mu$  catalytic activity.

### Product:

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

### Molecular Weight:

~ 115 kDa

### Swiss-Prot:

Q15139

### 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

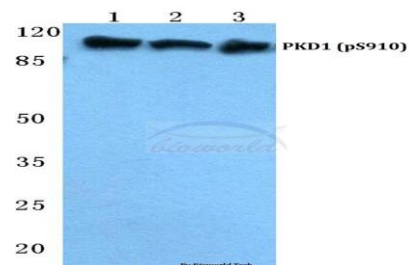
### Storage&Stability:

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

### Specificity:

p-PKD1 (S910) polyclonal antibody detects endogenous levels of PKD1 protein only when phosphorylated at Ser910.

### DATA:



Western blot (WB) analysis of p-PKD1 (S910) polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate treated with PMA(100nM, 15mins)

Lane2: NIH-3T3 cell lysate treated with PMA(100nM, 15mins)

Lane3: H9C2 cell lysate treated with PMA(100nM, 15mins)

### Note:

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

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