

## PKN1 polyclonal antibody

Catalog: BS5859

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Protein kinase N (PKN) is a fatty acid-activated serine/threonine kinase whose catalytic domain exhibits homology with that of the PKC family. PKN associates with Rho via its amino terminus, is activated in a GTP-dependent manner and phosphorylates the head-rod domain of neurofilament protein. A second protein, rhophilin, exhibits 40% sequence identity with the amino terminal Rho binding domain. The enzymatic activity of rhophilin has not been demonstrated and it is possible that it acts through the recruitment of cytoskeletal components that initiate a kinase signaling cascade. Citron interacts specifically with active Rho and Rac1 but not Cdc42. Citron exhibits a distinctive protein organization and little homology with the Rho binding domains of PKN and rhophilin.

### Product:

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

### Molecular Weight:

~ 103, 120 kDa

### Swiss-Prot:

Q16512

### 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

ICC: 1:50~1:200

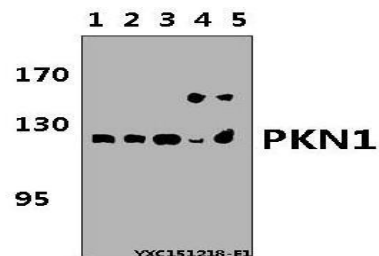
### Storage&Stability:

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

### Specificity:

PKN1 polyclonal antibody detects endogenous levels of PKN1 protein.

### DATA:



Western blot (WB) analysis of PKN1 polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40µg)

Lane2:AML-12 whole cell lysate(40µg)

Lane3:BV2 whole cell lysate(40µg)

Lane4:C6 whole cell lysate(40µg)

Lane5:H9C2 whole cell lysate(40µg)

### Note:

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

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