

PKN1

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100

Calculated MW: 104kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human PKN1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

DBK; PKN; PAK1; PRK1; PAK-1; PRKCL1; PKN-ALPHA;

Catalog #: A0553

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5585

Isotype: IgG

Swiss Prot: Q9UN73

Purity: Affinity purification

For research use only.

Background:

The protein encoded by this gene belongs to the protein kinase C superfamily. This kinase is activated by Rho family of small G proteins and may mediate the Rho-dependent signaling pathway. This kinase can be activated by phospholipids and by limited proteolysis. The 3-phosphoinositide dependent protein kinase-1 (PDPK1/PDK1) is reported to phosphorylate this kinase, which may mediate insulin signals to the actin cytoskeleton. The proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggests its role in signal transduction related to apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

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