

PKN rabbit pAb

Cat No.:ES6784

For research use only

Overview

Product Name PKN rabbit pAb

Host species Rabbit
Applications WB;IHC

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions WB 1:500-2000;IHC-p 1:50-300

Immunogen Synthesized peptide derived from the Internal

region of human PKN.

Specificity PKN Polyclonal Antibody detects endogenous levels

of PKN protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Serine/threonine-protein kinase N1

Gene Name PKN1

Cytoplasm . Nucleus . Endosome . Cell membrane ;

Peripheral membrane protein . Cleavage furrow .

Midbody . Associates with chromatin in a ligand-dependent manner. Localization to endosomes is mediated via its interaction with

RHOB. Association to the cell

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 105kD
Human Gene ID 5585
Human Swiss-Prot Number Q16512

Alternative Names PKN1; PAK1; PKN; PRK1; PRKCL1;

Serine/threonine-protein kinase N1;

Protease-activated kinase 1; PAK-1; Protein kinase C-like 1; Protein kinase C-like PKN; Protein kinase PKN-alpha; Protein-kinase C-related kinase 1;

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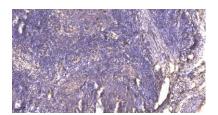


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Background

Serine-threonine protein protein kinase N1(PKN1) Homo sapiens 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. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

