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Datasheet for ABIN7169081

anti-PKN2 antibody (AA 925-969) (Biotin)

Overview

Quantity:	100 µg
Target:	PKN2
Binding Specificity:	AA 925-969
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKN2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase N2 protein (925-969AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PKN2
Alternative Name:	PKN2 (PKN2 Products)
Background:	Background: PKC-related serine/threonine-protein kinase and Rho/Rac effector protein that participates in specific signal transduction responses in the cell. Plays a role in the regulation of

Target Details

cell cycle progression, actin cytoskeleton assembly, cell migration, cell adhesion, tumor cell invasion and transcription activation signaling processes. Phosphorylates CTTN in hyaluronan-induced astrocytes and hence decreases CTTN ability to associate with filamentous actin. Phosphorylates HDAC5, therefore lead to impair HDAC5 import. Direct RhoA target required for the regulation of the maturation of primordial junctions into apical junction formation in bronchial epithelial cells. Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner. Stimulates FYN kinase activity that is required for establishment of skin cell-cell adhesion during keratinocytes differentiation. Regulates epithelial bladder cells speed and direction of movement during cell migration and tumor cell invasion. Inhibits Akt pro-survival-induced kinase activity. Mediates Rho protein-induced transcriptional activation via the c-fos serum response factor (SRF). Phosphorylates HCV NS5B leading to stimulation of HCV RNA replication.

Aliases: Cardiolipin activated protein kinase Pak2 antibody, MGC150606 antibody, MGC71074 antibody, PAK 2 antibody, PAK2 antibody, PKN gamma antibody, PKN2 antibody, PKN2_HUMAN antibody, PRK2 antibody, PRKCL2 antibody, PRO2042 antibody, Protein kinase C like 2 antibody, Protein kinase C related kinase 2 antibody, Protein kinase C-like 2 antibody, Protein kinase N2 antibody, Protein-kinase C-related kinase 2 antibody, Serine/threonine-protein kinase N2 antibody

UniProt: [Q16513](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.