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Datasheet for ABIN7269646 anti-PKN2 antibody

Image



Overview

Quantity:	100 μL
Target:	PKN2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PKN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	PRK2/PKN2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human PRK2/PRK2/PKN2
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PKN2
Alternative Name:	PKN2 (PKN2 Products)
Background:	PKC-related serine/threonine-protein kinase and Rho/Rac effector protein that participates in

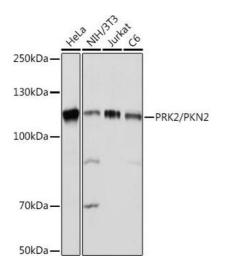
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	specific signal transduction responses in the cell. Plays a role in the regulation of cell cycle
	progression, actin cytoskeleton assembly, cell migration, cell adhesion, tumor cell invasion and
	transcription activation signaling processes. Phosphorylates 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. Involved in the
	negative regulation of ciliogenesis.,PAK2, PRK2, PRKCL2, PRO2042, Pak-2, STK7,Epigenetics &
	Nuclear Signaling, Kinase, RNA Binding, Signal Transduction, PKN2
Molecular Weight:	112kDa
Gene ID:	5586
UniProt:	Q16513
Pathways:	Cell-Cell Junction Organization
Application Details	
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PRK2/PRK2/PKN2 Rabbit mAb (ABIN7269646) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

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