

Datasheet for ABIN5542353  
**anti-PKN1 antibody (AA 442-620)**

## 6 Images

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## Overview

Quantity:	0.1 mg
Target:	PKN1
Binding Specificity:	AA 442-620
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PKN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human PKN1 (AA: 442-620) expressed in E. coli.
Clone:	4H10B1
Isotype:	IgG2b
Purification:	purified

## Target Details

Target:	PKN1
Alternative Name:	PKN1 ( <a href="#">PKN1 Products</a> )
Background:	Description: The protein encoded by this gene belongs to the protein kinase C superfamily. This

## Target Details

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.

Aliases: DBK, PKN, PAK1, PRK1, PAK-1, PRKCL1, PKN-ALPHA

Molecular Weight:	104 kDa
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Gene ID:	5585
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HGNC:	5585
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## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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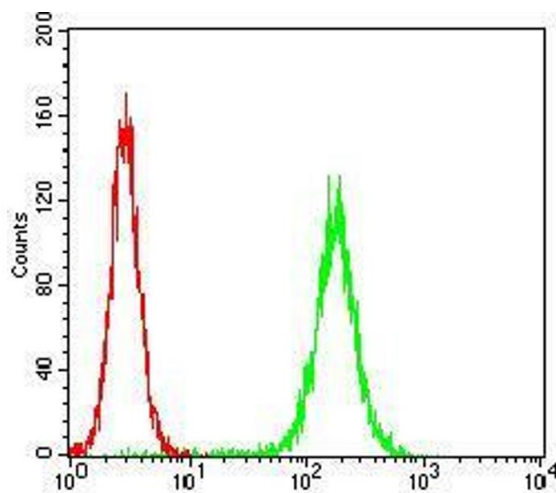
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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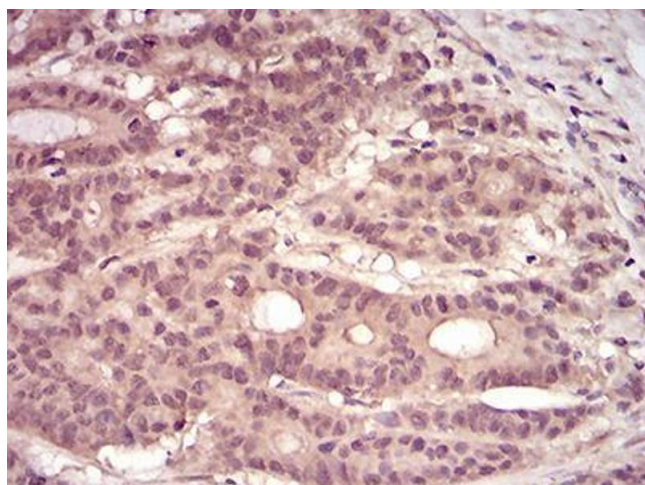
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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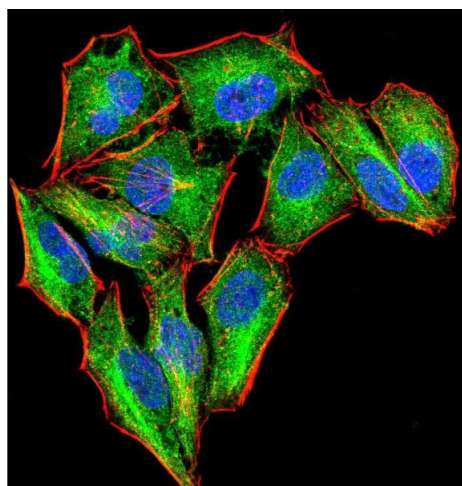
### Flow Cytometry

**Image 1.** Flow cytometric analysis of Hela cells using PKN1 mouse mAb (green) and negative control (red).



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded colon cancer tissues using PKN1 mouse mAb with DAB staining.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of Hela cells using PKN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5542353.