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Datasheet for ABIN392444

## anti-PKN beta antibody (C-Term)

### 2 Images

#### Overview

Quantity:	400 µL
Target:	PKN beta
Binding Specificity:	AA 463-492, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKN beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	This PKN beta antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 463-492 amino acids from the C-terminal region of human PKN beta.
Clone:	RB1043
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Target Details

Target:	PKN beta
Abstract:	<a href="#">PKN beta Products</a>

## Target Details

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Background:	PKN3, a protein kinase C-related molecule, mediates malignant cell growth downstream of activated PI3K. PKN3 is required for invasive prostate cell growth as assessed by 3D cell culture assays and in an orthotopic mouse tumor model by inducible expression of short hairpin RNA (shRNA). PKN3 is regulated by PI3K at both the expression level and the catalytic activity level. Therefore, PKN3 might represent a preferred target for therapeutic intervention in cancers that lack tumor suppressor PTEN function or depend on chronic activation of PI3K.
Molecular Weight:	99421
Gene ID:	29941
NCBI Accession:	<a href="#">NP_037487</a>
UniProt:	<a href="#">Q6P5Z2</a>

## Application Details

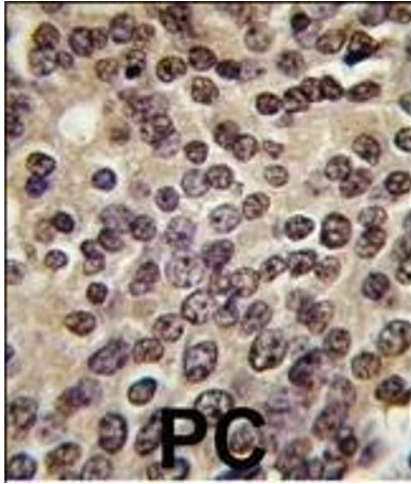
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Application Notes:	WB: 1:500. IHC-P: 1:10~50
Restrictions:	For Research Use only

## Handling

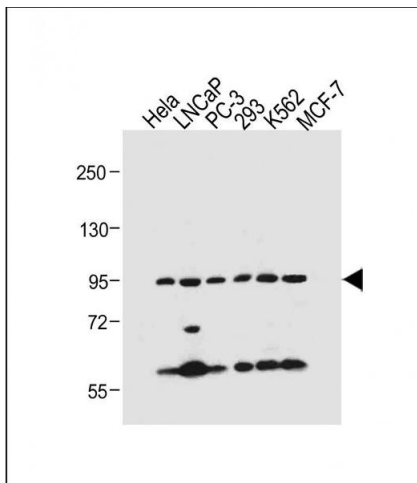
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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with PKN beta antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



### Western Blotting

**Image 2.** All lanes : Anti-PKN beta Antibody (C-term) at 1:500 dilution Lane 1: HeLa whole cell lysate Lane 2: LNCaP whole cell lysate Lane 3: PC-3 whole cell lysate Lane 4: 293 whole cell lysate Lane 5: K562 whole cell lysate Lane 6: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 99 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.