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## Datasheet for ABIN6146199 anti-PKC beta antibody (AA 1-270)

5 Images



Overview

Quantity:	100 μL
Target:	PKC beta (PRKCB)
Binding Specificity:	AA 1-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human PRKCB (NP_002729.2).
Sequence:	MADPAAGPPP SEGEESTVRF ARKGALRQKN VHEVKNHKFT ARFFKQPTFC SHCTDFIWGF GKQGFQCQVC CFVVHKRCHE FVTFSCPGAD KGPASDDPRS KHKFKIHTYS SPTFCDHCGS LLYGLIHQGM KCDTCMMNVH KRCVMNVPSL CGTDHTERRG RIYIQAHIDR DVLIVLVRDA KNLVPMDPNG LSDPYVKLKL IPDPKSESKQ KTKTIKCSLN PEWNETFRFQ LKESDKDRRL SVEIWDWDLT SRNDFMGSLS FGISELQKAS
lsotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

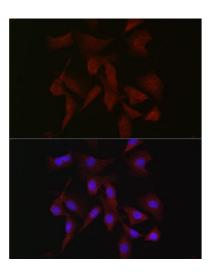
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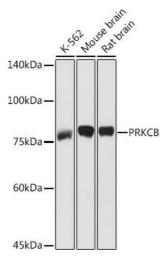
Target:	PKC beta (PRKCB)
Alternative Name:	PRKCB (PRKCB Products)
Background:	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be
	activated by calcium and second messenger diacylglycerol. PKC family members
	phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular
	signaling pathways. PKC family members also serve as major receptors for phorbol esters, a
	class of tumor promoters. Each member of the PKC family has a specific expression profile
	and is believed to play a distinct role in cells. The protein encoded by this gene is one of the
	PKC family members. This protein kinase has been reported to be involved in many different
	cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation,
	and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate
	neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively
	spliced transcript variants encoding distinct isoforms have been reported.,PRKCB,PKC-
	beta,PKCB,PRKCB1,PRKCB2,Signal Transduction,G protein signaling,G2/M DNA Damage
	Checkpoint,Kinase,Phospholipase Signaling Pathway,Protein Kinase C Signaling Pathway,ErbB
	HER Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental
	Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,TGF-b-Smad
	Signaling Pathway,Immunology & Inflammation,B Cell Receptor Signaling Pathway,PRKCB
Molecular Weight:	76 kDa/77 kDa
Gene ID:	5579
UniProt:	P05771
Pathways:	WNT Signaling, TCR Signaling, Thyroid Hormone Synthesis, Nuclear Hormone Receptor Binding
	, Chromatin Binding, Myometrial Relaxation and Contraction, VEGF Signaling, Unfolded Protein
	Response, BCR Signaling
Application Details	
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Handling		
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.	

Validation report #104300 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



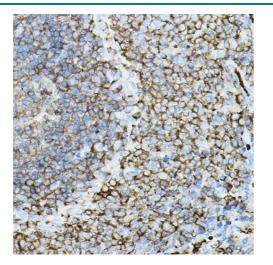


## Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using PRKCB Rabbit pAb (ABIN6128462, ABIN6146199, ABIN6146201 and ABIN6217699) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

## Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PRKCB antibody (ABIN6128462, ABIN6146199, ABIN6146201 and ABIN6217699) 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: 10s. Validation report #104300 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



## Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat spleen using PRKCB Rabbit pAb (ABIN6128462, ABIN6146199, ABIN6146201 and ABIN6217699) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 5 images are available for ABIN6146199.