antibodies - online.com







anti-PKC beta antibody (AA 220-340)





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- OVERVIEW	
Quantity:	100 μL
Target:	PKC beta (PRKCB)
Binding Specificity:	AA 220-340
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 220-340 of human PRKCB (NP_002729.2).
Sequence:	NPEWNETFRF QLKESDKDRR LSVEIWDWDL TSRNDFMGSL SFGISELQKA SVDGWFKLLS QEEGEYFNVP VPPEGSEANE ELRQKFERAK ISQGTKVPEE KTTNTVSKFD NNGNRDRMKL T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	PKC beta (PRKCB)

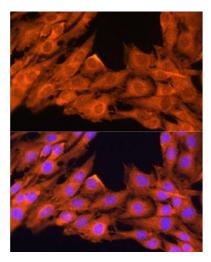
Target Details

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 Bindin
	, Chromatin Binding, Myometrial Relaxation and Contraction, VEGF Signaling, Unfolded Protein
	Response, BCR Signaling
Application Details	
	WD 1.500 1.0000 IS 1.50 1.000
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,50 % glycerol, pH 7.3.
Preservative:	Sodium azide

Handling

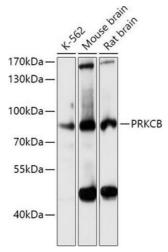
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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



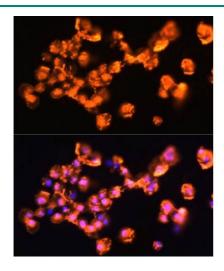
Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using PRKCB antibody (ABIN6128463, ABIN6146200, ABIN6146202 and ABIN6221544) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PRKCB antibody (ABIN6128463, ABIN6146200, ABIN6146202 and ABIN6221544) at 1:3000 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.



Immunofluorescence

Image 3. Immunofluorescence analysis of cells using PRKCB antibody (ABIN6128463, ABIN6146200, ABIN6146202 and ABIN6221544) at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 4 images are available for ABIN6146200.