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Datasheet for ABIN391003 anti-PKC beta antibody (C-Term)

2 Images

1 Publication



Overview

Quantity:	400 µL
Target:	PKC beta (PRKCB)
Binding Specificity:	AA 642-673, C-Term
Reactivity:	Human, Rat, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Due duet Deteile	
Product Details	
Immunoden.	This DKC beta? antibody is generated from rabbits immunized with a KLH conjugated synthetic

Immunogen:	This PKC beta2 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 642-673 amino acids from the C-terminal region of human PKC beta2.
Clone:	RB1010
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.

Target Details

Target:	PKC beta (PRKCB)
Alternative Name:	PKC beta2 (PRKCB Products)

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Target Details	
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. PKC beta 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. Isoform 1 uses an alternate exon at the 3' end
	compared to isoform 2, which includes a part of the coding region. The resulting isoform 1 has
	a distinct and shorter C-terminus, as compared to isoform 2.
Gene ID:	5579
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: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
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

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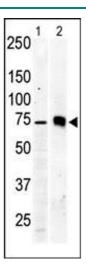
Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with PKC beta2 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.

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Western Blotting

Image 2. The anti-PKC beta2 Pab (ABIN391003 and ABIN2837938) is used in Western blot to detect PKC beta2 in Jurkat cell lysate (lane 1) and mouse brain tissue lysate (lane 2).

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