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Datasheet for ABIN7146602 anti-PRKACB antibody (Catalytic Subunit beta)





Overview

Quantity:	100 µg
Target:	PRKACB
Binding Specificity:	AA 2-53, Catalytic Subunit beta
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

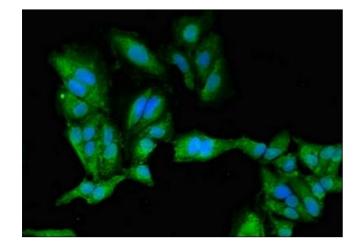
Immunogen:	Recombinant Human cAMP-dependent protein kinase catalytic subunit beta protein (2-53AA)
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

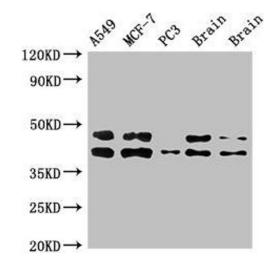
Target Details

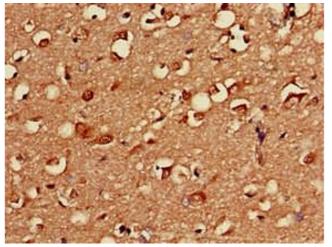
Target:	PRKACB
Alternative Name:	PRKACB (PRKACB Products)
Background:	Background: Mediates cAMP-dependent signaling triggered by receptor binding to GPCRs. PKA
	activation regulates diverse cellular processes such as cell proliferation, the cell cycle,

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	differentiation and regulation of microtubule dynamics, chromatin condensation and
	decondensation, nuclear envelope disassembly and reassembly, as well as regulation of
	intracellular transport mechanisms and ion flux. Regulates the abundance of
	compartmentalized pools of its regulatory subunits through phosphorylation of PJA2 which
	binds and ubiquitinates these subunits, leading to their subsequent proteolysis.
	Aliases: cAMP-dependent protein kinase catalytic beta subunit isoform 4ab antibody, cAMP-
	dependent protein kinase catalytic subunit beta antibody, KAPCB_HUMAN antibody, PKA C beta
	antibody, PKA C-beta antibody, PKACB antibody, Prkacb antibody, protein kinase A catalytic
	subunit beta antibody, Protein kinase cAMP dependent catalytic beta antibody
UniProt:	P22694
Pathways:	AMPK Signaling, Hedgehog Signaling, EGFR Signaling Pathway, Neurotrophin Signaling
	Pathway, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, M Phase, G-
	protein mediated Events, Interaction of EGFR with phospholipase C-gamma, Lipid Metabolism
Application Details	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C







Immunofluorescence

Image 1. Immunofluorescent analysis of Hela cells using ABIN7146602 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Western Blotting

Image 2. Western Blot Positive WB detected in: A549 whole cell lysate, MCF-7 whole cell lysate, PC-3 whole cell lysate, Rat brain tissue, Mouse brain tissue All lanes: PRKACB antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 41, 47, 40, 42, 30, 37 kDa Observed band size: 41, 47 kDa

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7146602 at dilution of 1:100

Please check the product details page for more images. Overall 4 images are available for ABIN7146602.

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