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Datasheet for ABIN7146603

anti-PRKACB antibody (Catalytic Subunit beta) (Biotin)

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 conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human cAMP-dependent protein kinase catalytic subunit beta protein (2-53AA)
Isotype:	IgG
Cross-Reactivity:	Human
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,

Target Details

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: Optimal working dilution should be determined by the investigator.

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

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.