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## Datasheet for ABIN7146605 anti-PRKACB antibody (Catalytic Subunit beta) (HRP)



## 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 HRP |
| Application:         | ELISA                                     |

## Product Details

| Immunogen:        | Recombinant Human cAMP-dependent protein kinase catalytic subunit beta protein (2-53AA) |
|-------------------|---|
| Isotype:          | lgG   |
| 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, |

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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:  | 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.                              |
|                     |  |