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Datasheet for ABIN548550

## anti-PKC alpha antibody (C-Term)

1 Image

1 Publication

### Overview

Quantity:	100 µg
Target:	PKC alpha (PKCa)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC alpha antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of PRKCA.
Immunogen:	A synthetic peptide corresponding to amino acids at C-terminus of human PRKCA.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat

### Target Details

Target:	PKC alpha (PKCa)
Alternative Name:	PRKCA ( <a href="#">PKCa Products</a> )
Gene ID:	5578
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> ,

## Target Details

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[Thyroid Hormone Synthesis](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Cell-Cell Junction Organization](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [G-protein mediated Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Interaction of EGFR with phospholipase C-gamma](#), [Thromboxane A2 Receptor Signaling](#), [VEGFR1 Specific Signals](#), [VEGF Signaling](#)

## Application Details

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Application Notes: Western Blot (1-2 µg/mL)  
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 µg/mL)  
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Lyophilized from 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub> (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

Preservative: Sodium azide, Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

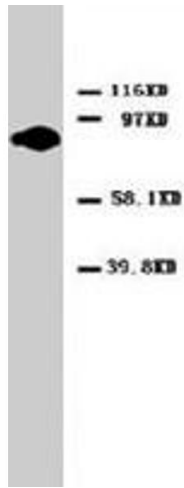
Storage: -20 °C

Storage Comment: Store at -20°C on dry atmosphere.  
After reconstitution with 200 µL of deionized water and concentration will be 500 µg/mL, store at -20°C or lower.  
Aliquot to avoid repeated freezing and thawing.

## Publications

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Product cited in: Braz, Gregory, Pathak, Zhao, Sahin, Klevitsky, Kimball, Lorenz, Nairn, Liggett, Bodi, Wang, Schwartz, Lakatta, DePaoli-Roach, Robbins, Hewett, Bibb, Westfall, Kranias, Molkentin: "PKC- $\alpha$  regulates cardiac contractility and propensity toward heart failure." in: **Nature medicine**, Vol. 10, Issue 3, pp. 248-54, (2004) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blot analysis of HeLa cell lysate. Using PRKCA polyclonal antibody .