

Datasheet for ABIN962147  
**anti-PKC zeta antibody (Internal Region)**



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## Overview

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Quantity:            | 100 µg                                          |
| Target:              | PKC zeta (PRKCZ)                                |
| Binding Specificity: | Internal Region                                 |
| Reactivity:          | Mouse                                           |
| Host:                | Rabbit                                          |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This PKC zeta antibody is un-conjugated         |
| Application:         | Western Blotting (WB), Immunoprecipitation (IP) |

## Product Details

|               |                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Synthetic peptide derived from the middle region of the catalytic domain of the mouse protein kinase C, zeta isoform (PKCz) protein.<br><br>Type of Immunogen: Synthetic peptide                                                                                                                                            |
| Isotype:      | IgG                                                                                                                                                                                                                                                                                                                         |
| Specificity:  | Reacts with the mouse PKCz (~70kD) and PKMz (~55kD) proteins. The brain-specific isoform of this protein (PKMz) may appear as a doublet at ~55kD in western blots of brain homogenates. In mouse kidney homogenate, it identifies the band at ~70kD. Reactivity has been confirmed with mouse kidney and brain homogenates. |
| Purification: | Immunoaffinity purified                                                                                                                                                                                                                                                                                                     |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PKC zeta (PRKCZ)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Alternative Name: | PRKCZ / PKC-Zeta ( <a href="#">PRKCZ Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Background:       | Name/Gene ID: PRKCZ<br>Subfamily: PKC<br>Family: Protein Kinase<br><br>Synonyms: PRKCZ, PKC-ZETA, PKC2, PkcZ, PKCzeta, Protein kinase c zeta, Protein kinase C zeta type, NPKC-zeta, PKC Zeta, Protein kinase C, zeta, Protein kinase Czeta                                                                                                                                                                                                                              |
| Gene ID:          | 5590                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt:          | <a href="#">Q05513</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> |

## Application Details

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Approved: IP, WB (1 - 3 µg/mL)<br><br>Usage: Suitable for use in Western Blot, Immunoprecipitation. Western Blot: 1-3 µg/mL.<br>Immunoprecipitation: 7 µg/IP reaction. |
| Comment:           | Target Species of Antibody: Mouse                                                                                                                                      |
| Restrictions:      | For Research Use only                                                                                                                                                  |

## Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | Lot specific                                                                                                           |
| Buffer:            | PBS, pH 7.4, 0.1 % 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                                                                                                            |

## Handling

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Storage Comment:                      Short term: 4°C  
Long term: Add glycerol (40-50%) -20°C.