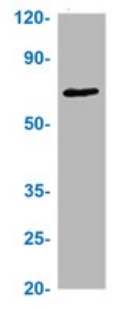
RecomAb™ Sm Size

# PRKCZ (phospho T560) recombinant monoclonal antibody, clone 1B10

Catalog # RAB08079 Size 50 uL

## Applications




### Western Blot

Western blot analysis of A549 whole cell lysate with PRKCZ (phospho T560) recombinant monoclonal antibody.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human PRKCZ. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g T560 of human PRKCZ. |
| **Theoretical MW (kDa)** | Calculated MW: 68 kD |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography |
| **Isotype** | IgG |

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| | |
|---|---|
| **Recommend Usage** | ELISA<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | Store at -20 °C or -80 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Western blot analysis of A549 whole cell lysate with PRKCZ (phospho T560) recombinant monoclonal antibody.

## Gene Info — PRKCZ

| | |
|---|---|
| **Entrez GeneID** | 5590 |
| **Protein Accession#** | Q05513 |
| **Gene Name** | PRKCZ |
| **Gene Alias** | PKC-ZETA, PKC2 |
| **Gene Description** | protein kinase C, zeta |
| **Omim ID** | 176982 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which ar e involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unli ke the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activ ity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the clas sical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical p roperties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PK C. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000001368\|OTTHUMP00000044160 |

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## Pathway

- Chemokine signaling pathway
- Endocytosis
- Insulin signaling pathway
- Tight junction
- Type II diabetes mellitus

## Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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