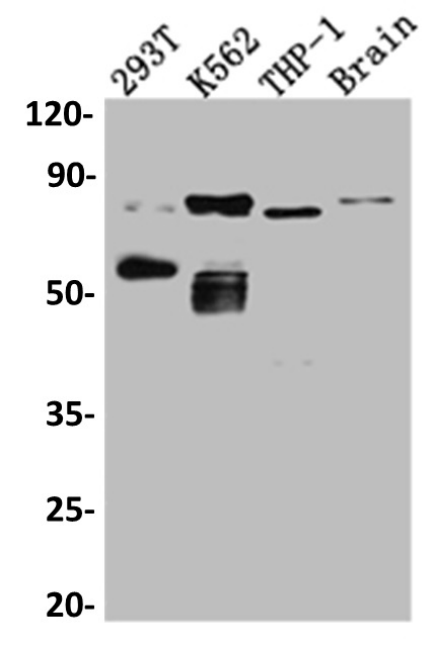
RecomAb™

# PRKCQ recombinant monoclonal antibody, clone 1B2

Catalog # RAB07415 Size 100 uL

## Applications




### Western Blot

Western blot analysis of 293T whole cell lysate, K562 whole cell lysate, THP-1 whole cell lysate, Mouse Brain whole cell lysate with PRKCQ recombinant monoclonal antibody, clone 1B2 (Cat # RAB07415).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human PRKCQ. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human PRKCQ. |
| **Theoretical MW (kDa)** | Calculated MW: 82, 7 |
| **Reactivity** | Human, Mouse |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |

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|---|---|
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **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 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| **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 293T whole cell lysate, K562 whole cell lysate, THP-1 whole cell lysate, Mouse Brain whole cell lysate with PRKCQ recombinant monoclonal antibody, clone 1B2 (Cat # RAB07415).

## Gene Info — PRKCQ

| | |
|---|---|
| **Entrez GeneID** | 5588 |
| **Protein Accession#** | Q04759 |
| **Gene Name** | PRKCQ |
| **Gene Alias** | MGC126514, MGC141919, PRKCT, nPKC-theta |
| **Gene Description** | protein kinase C, theta |
| **Omim ID** | 600448 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **Gene Summary** | Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be a ctivated by calcium and the second messenger diacylglycerol. PKC family members phosphorylat e a wide variety of protein targets and are known to be involved in diverse cellular signaling pathw ays. PKC family members also serve as major receptors for phorbol esters, a class of tumor pro moters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role. The protein encoded by this gene is one of the PKC family members. It is a calciu m-independent and phospholipid-dependent protein kinase. This kinase is important for T-cell act ivation. It is required for the activation of the transcription factors NF-kappaB and AP-1, and may li nk the T cell receptor (TCR) signaling complex to the activation of the transcription factors. [provid ed by RefSeq |
| **Other Designations** | OTTHUMP00000019053\|OTTHUMP00000043364\|OTTHUMP00000043365 |

## Pathway

- Adipocytokine signaling pathway
- T cell receptor signaling pathway
- Tight junction
- Vascular smooth muscle contraction

## Disease

- Alzheimer Disease
- Arthritis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Cerebral Hemorrhage
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Hypertension

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- Inflammation
- Intracranial Hemorrhages
- Kidney Failure
- Narcolepsy
- Prostatic Neoplasms
- Stroke
- Subarachnoid Hemorrhage
- Tobacco Use Disorder
- Wegener Granulomatosis

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