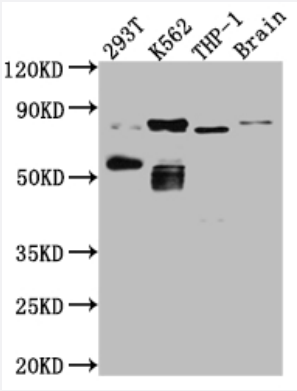
RecomAb™ Sm Size

PRKCQ recombinant monoclonal antibody, clone 1B2

Catalog # RAB08379 Size 50 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.

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
Purification	Affinity chromatography purification
Isotype	IgG

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Recommend Usage	ELISA Western Blot (1:500-1:5000) 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. 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.

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
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

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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
- Inflammation
- Intracranial Hemorrhages
- Kidney Failure
- Narcolepsy
- Prostatic Neoplasms

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- Stroke
- Subarachnoid Hemorrhage
- Tobacco Use Disorder
- Wegener Granulomatosis

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