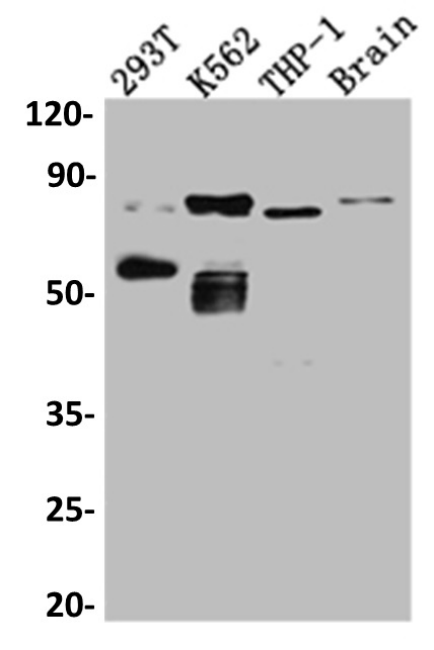
RecomAb™

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 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, 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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