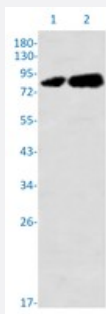


RecomAb™

PRKCQ recombinant monoclonal antibody, clone R05-5I4

Catalog # RAB04470 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: U2OS whole cell lysate and Lane 2: C6 whole cell lysate with PRKCQ recombinant monoclonal antibody, clone R05-5I4 (Cat # RAB04470).

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 kD
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: U2OS whole cell lysate and Lane 2: C6 whole cell lysate with PRKCQ recombinant monoclonal antibody, clone R05-514 (Cat # RAB04470).

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 activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. 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 calcium-independent and phospholipid-dependent protein kinase. This kinase is important for T-cell activation. It is required for the activation of the transcription factors NF-kappaB and AP-1, and may link the T cell receptor (TCR) signaling complex to the activation of the transcription factors. [provided 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](#)
- [Inflammation](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Prostatic Neoplasms](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)
- [Wegener Granulomatosis](#)