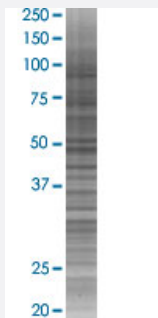


PRKCQ 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005588-T02

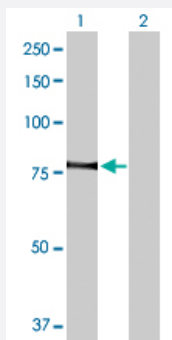
Size 100 uL

Applications



SDS-PAGE Gel

PRKCQ transfected lysate.



Western Blot

Lane 1: PRKCQ transfected lysate (81.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PRKCQ full-length

Host Human

Theoretical MW (kDa) 81.9

Quality Control Testing Transient overexpression cell lysate was tested with Anti-PRKCQ antibody ([H00005588-D01P](#)) by Western Blots.
SDS-PAGE Gel
PRKCQ transfected lysate.
Western Blot
Lane 1: PRKCQ transfected lysate (81.90 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PRKCQ

Entrez GeneID[5588](#)**GeneBank Accession#**[NM_006257.2](#)**Protein Accession#**[NP_006248.1](#)**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](#)