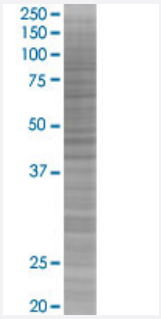
PRKCB1 293T Cell Transient Overexpression Lysate(Denatured)

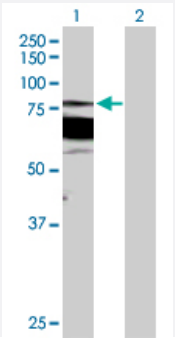
Catalog # H00005579-T02 Size 100 uL

Applications



SDS-PAGE Gel

PRKCB transfected lysate.



Western Blot

Lane 1: PRKCB transfected lysate (76.90 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PRKCB1 full-length
Host	Human
Theoretical MW (kDa)	76.9
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PRKCB1 antibody (H00005579-D01P) by Western Blots. SDS-PAGE Gel PRKCB transfected lysate. Western Blot Lane 1: PRKCB transfected lysate (76.90 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 — PRKCB

Entrez GeneID	5579
GeneBank Accession#	NM_212535.1
Protein Accession#	NP_997700.1
Gene Name	PRKCB
Gene Alias	MGC41878, PKC-beta, PKCB, PRKCB1, PRKCB2
Gene Description	protein kinase C, beta
Omim ID	176970
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 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 in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	protein kinase C, beta 1 polypeptide

Pathway

- B cell receptor signaling pathway

- Calcium signaling pathway
- Chemokine signaling pathway
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Gap junction
- Glioma
- GnRH signaling pathway
- Leukocyte transendothelial migration
- Long-term depression
- Long-term potentiation
- MAPK signaling pathway
- Melanogenesis
- Natural killer cell mediated cytotoxicity
- Non-small cell lung cancer
- Pathways in cancer
- Phosphatidylinositol signaling system
- Tight junction
- Vascular smooth muscle contraction
- VEGF signaling pathway
- Vibrio cholerae infection
- Wnt signaling pathway

Disease

- Albuminuria

- Autistic Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Edema
- Epilepsies
- Genetic Predisposition to Disease
- Kidney Failure
- Liver Cirrhosis
- Proteinuria
- Syndrome
- Tobacco Use Disorder