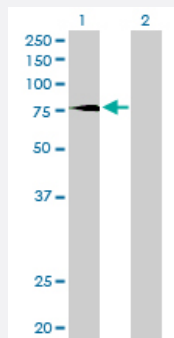# PRKCD monoclonal antibody (M02), clone 6A2

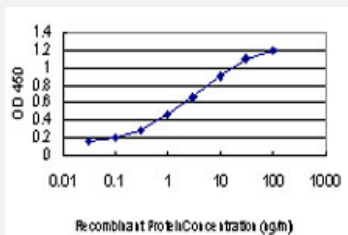Catalog #   H00005580-M02   Size   100 ug

Applications

Western Blot (Transfected lysate)

Western Blot analysis of PRKCD expression in transfected 293T cell line by PRKCD monoclonal antibody (M02), clone 6A2.
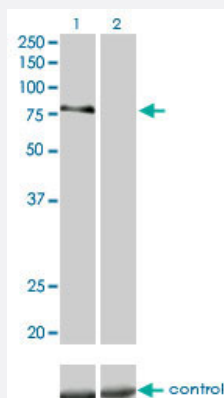
Lane 1: PRKCD transfected lysate(77.5 KDa).
Lane 2: Non-transfected lysate.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRKCD is approximately 0.1ng/ml as a capture antibody.

RNAi Knockdown (Antibody validated)

Western blot analysis of PRKCD over-expressed 293 cell line, cotransfected with PRKCD Validated Chimera RNAi (Cat # H00005580-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PRKCD monoclonal antibody (M02) clone 6A2 (Cat # H00005580-M02). GAPDH (36.1 kDa) used as specificity and loading control.
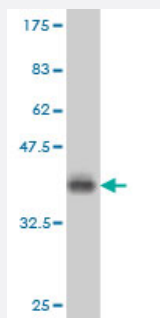
Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PRKCD.
Immunogen	PRKCD (NP_006245, 577 a.a. ~ 676 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DILEKLFEREPTKRLGVTGNIKIHPFFKTINWTLLEKRRLEPPFRPKVKSPRDYSNFDQEFLNEKAR LSYSDKNLIDSMDQSAFAGFSFVNPKFEHLLED
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (81)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of PRKCD expression in transfected 293T cell line by PRKCD monoclonal antibody (M02), clone 6A2.

  Lane 1: PRKCD transfected lysate(77.5 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged PRKCD is approximately 0.1ng/ml as a capture antibody.

  Protocol Download

- ELISA

- RNAi Knockdown (Antibody validated)

  Western blot analysis of PRKCD over-expressed 293 cell line, cotransfected with PRKCD Validated Chimera RNAi (Cat # H00005580-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PRKCD monoclonal antibody (M02) clone 6A2 (Cat # H00005580-M02). GAPDH (36.1 kDa) used as specificity and loading control.

  Protocol Download

Gene Info — PRKCD

Entrez GeneID	5580
GeneBank Accession#	NM_006254
Protein Accession#	NP_006245
Gene Name	PRKCD
Gene Alias	MAY1, MGC49908, PKCD, nPKC-delta
Gene Description	protein kinase C, delta
Omim ID	176977
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 distinct roles in cells. The protein encoded by this gene is one of the PKC family members. Studies both in human and mice demonstrate that this kinase is involved in B cell signaling and in the regulation of growth, apoptosis, and differentiation of a variety of cell types. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq
Other Designations	protein kinase C delta VIII

Pathway

- Chemokine signaling pathway

- Fc epsilon RI signaling pathway

- Fc gamma R-mediated phagocytosis

- GnRH signaling pathway

- Neurotrophin signaling pathway

- Tight junction

- Type II diabetes mellitus

- Vascular smooth muscle contraction

Disease

- Cardiovascular Diseases

- Diabetes Mellitus

- Edema

- Genetic Predisposition to Disease

- Tobacco Use Disorder