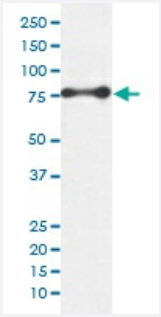
PRKCD monoclonal antibody, clone IHD-16

Catalog # MAB20599 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate using PRKCD monoclonal antibody, clone IHD-16.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PRKCD.
Immunogen	A synthetic peptide corresponding to human PRKCD.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Immunocytochemistry
- Western Blot (Cell lysate)

  Western Blot analysis of HeLa cell lysate using PRKCD monoclonal antibody, clone IHD-16.

Gene Info — PRKCD

Entrez GeneID	5580
Protein Accession#	Q05655
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 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 distinct roles in cells. The protein encoded by this gene is one of the PKC family members. Studie s both in human and mice demonstrate that this kinase is involved in B cell signaling and in the re gulation of growth, apoptosis, and differentiation of a variety of cell types. Alternatively spliced tran script variants encoding the same protein have been observed. [provided by RefSeq
Other Designations	protein kinase C delta VIII

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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

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