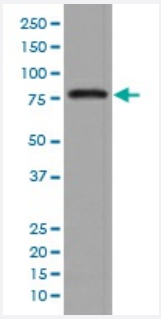
PRKCB monoclonal antibody, clone DOC-16

Catalog # MAB20598 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of K-562 cell lysate using PRKCB monoclonal antibody, clone DOC-16.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PRKCB.
Immunogen	A synthetic peptide corresponding to human PRKCB.
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) Immunoprecipitation (1:50) 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
- Flow Cytometry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of K-562 cell lysate using PRKCB monoclonal antibody, clone DOC-16.

Gene Info — PRKCB

Entrez GeneID	5579
Protein Accession#	P05771
Gene Name	PRKCB
Gene Alias	MGC41878, PKC-beta, PKCB, PRKCB1, PRKCB2
Gene Description	protein kinase C, beta
Omim ID	176970
Gene Ontology	Hyperlink

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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

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- 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

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