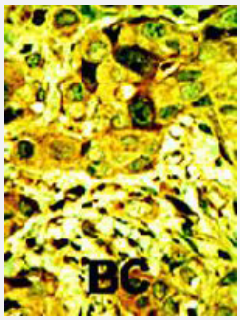
PRKCD polyclonal antibody

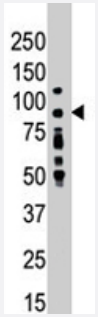
Catalog # PAB4536 Size 400 uL

Applications



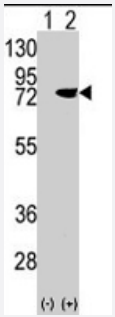
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with PRKCD polyclonal antibody (Cat # PAB4536) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . BC = breast carcinoma .



Western Blot (Tissue lysate)

Western blot analysis of PRKCD polyclonal antibody (Cat # PAB4536) in placenta lysate . PRKCD delta (Arrow) was detected using purified PRKCD polyclonal antibody (Cat # PAB4536) . Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence .



Western Blot (Transfected lysate)

Western blot analysis of PRKCD (arrow) using rabbit PRKCD polyclonal antibody (Cat # PAB4536). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRKCD gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRKCD.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PRKCD.

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Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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)

  Formalin-fixed and paraffin-embedded human cancer tissue reacted with PRKCD polyclonal antibody (Cat # PAB4536) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . BC = breast carcinoma .

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  Western blot analysis of PRKCD polyclonal antibody (Cat # PAB4536) in placenta lysate . PRKCD delta (Arrow) was detected using purified PRKCD polyclonal antibody (Cat # PAB4536) . Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence .

- Western Blot (Transfected lysate)

  Western blot analysis of PRKCD (arrow) using rabbit PRKCD polyclonal antibody (Cat # PAB4536). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRKCD gene (Lane 2) (Origene Technologies).

Gene Info — PRKCD

Entrez GeneID	5580
Protein Accession#	Q05655

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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

Publication Reference

- Functional analyses of mammalian protein kinase C isozymes in budding yeast and mammalian fibroblasts.

  Nomoto S, Watanabe Y, Ninomiya-Tsuji J, Yang LX, Nagai Y, Kiuchi K, Hagiwara M, Hidaka H, Matsumoto K, Irie K.

  Genes to Cells 1997 Oct; 2(10):601.

- Molecular and biochemical characterization of a recombinant human PKC-delta family member.

  Aris JP, Basta PV, Holmes WD, Ballas LM, Moomaw C, Rankl NB, Blobel G, Loomis CR, Burns DJ.

  Biochimica et Biophysica Acta 1993 Aug; 1174(2):171.

  Application: WB-Tr, Insect, Sf9 cells

Pathway

- Chemokine signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- GnRH signaling pathway
- Neurotrophin signaling pathway

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- 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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