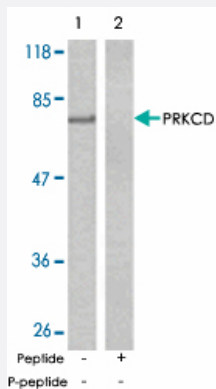


# PRKCD polyclonal antibody

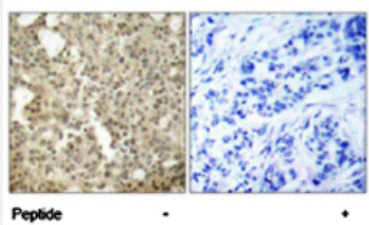
Catalog # PAB5520      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of extract from MCF-7 cells using PRKCD polyclonal antibody (Cat # PAB5520) .



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PRKCD polyclonal antibody (Cat # PAB5520) .

## Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRKCD.
Immunogen	A synthetic peptide corresponding to residues surrounding S645 of human PRKCD.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of extract from MCF-7 cells using PRKCD polyclonal antibody (Cat # PAB5520) .

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PRKCD polyclonal antibody (Cat # PAB5520) .

## Gene Info — PRKCD

<b>Entrez GeneID</b>	<a href="#">5580</a>
<b>Gene Name</b>	PRKCD
<b>Gene Alias</b>	MAY1, MGC49908, PKCD, nPKC-delta
<b>Gene Description</b>	protein kinase C, delta
<b>Omim ID</b>	<a href="#">176977</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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]
<b>Other Designations</b>	protein kinase C delta VIII

## Publication Reference

- [Atypical PKCzeta is involved in RhoA-dependent mitogenic signaling by the P2Y\(12\) receptor in C6 cells.](#)  
Van Kolen K, Slegers H.  
The FEBS Journal 2006 Apr; 273(8):1843.
- [Interleukin-7 and transforming growth factor-beta play counter-regulatory roles in protein kinase C-delta-dependent control of fibroblast collagen synthesis in pulmonary fibrosis.](#)  
Zhang L, Keane MP, Zhu LX, Sharma S, Rozengurt E, Strieter RM, Dubinett SM, Huang M.  
The Journal of Biological Chemistry 2004 Jul; 279(27):28315.  
  
Application: WB, Human, Human fibroblasts
- [Translocation of PKC\[theta\] in T cells is mediated by a nonconventional, PI3-K- and Vav-dependent pathway, but does not absolutely require phospholipase C.](#)  
Villalba M, Bi K, Hu J, Altman Y, Bushway P, Reits E, Neefjes J, Baier G, Abraham RT, Altman A.  
The Journal of Cell Biology 2002 Apr; 157(2):253.

## 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](#)