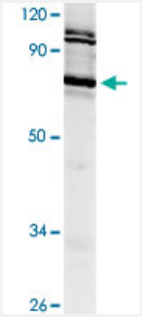
# PRKCD (phospho T505) polyclonal antibody

Catalog # PAB24737 Size 100 uL

## Applications




### Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with PRKCD (phospho T505) polyclonal antibody (Cat # PAB24737) at 1:500 dilution.

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic phosphopeptide of PRKCD. |
| **Immunogen** | Synthetic phosphopeptide corresponding to residues surrounding T505 of PRKCD. |
| **Host** | Rabbit |
| **Theoretical MW (kDa)** | 80.0 |
| **Reactivity** | Human |
| **Specificity** | PRKCD (phospho T505) polyclonal antibody detects endogenous levels of PRKCD protein. |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Recommend Usage** | Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (0.09% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

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|---|---|
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Western Blot (Cell lysate)

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## Gene Info — PRKCD

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|---|---|
| **Entrez GeneID** | 5580 |
| **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 |

## Pathway

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

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- 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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