

DNAxPAb

Hard-to-Find
Antibody

PRKCB DNAxPab

Catalog # H00005579-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PRKCB DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MADPAAGPPPSEGEESTVRFARKGALRQKNVHEVKNHKFTARFFKQPTFCSHCTDFWGFQKQ
GFQCQVCCFVVHKRCHEFVTFSCPGADKGPASDDPRSKHKFKIHTYSSPTFCDHCGSLLYGLIH
QGMKCDTCMMNVHKRCVMNVPSLCGTDHTERRGRYQAHIDRDVLVLVRDAKNLVPMDPNGLS
DPYVKLKLIPDPKSESKQKTKTIKCSLNPEWNETFRFQLKESDKDRRLSVEIWDWDLTSRNDFMG
SLSFGISELQKASVDGWFKLLSQEEGEYFNVPVPPEGSEANEELRQKFERAKISQGTKVPEEKT
NTVSKFDNNGNRDRMKTDFNFLMVLGKGSFGKVMLSERKGTDELYAVKILKDVVIQDDDDVEC
TMVEKRVLALPGKPPFLTQLHSCFQTMDRLYFVMEYVNGGDLMYHIQVGRFKEPHAVFYAAEIAI
GLFFLQSKGIYRDLKLDNVMLDSEGHKIADFGMCKENWDGVTTKTCGTPDYAPEIIAYQPYGKS
VDWWAFGVLLYEMLAGQAPFEGEDEDELFSIMEHNVAYPKSMSKEAVAICKGLMTKHPGKRL
GCGPEGERDIKEHAFFRYDWEKLERKEIQPPYKPKACGRNAENFDRFFTRHPPVLTTPDQEVIR
NIDQSEFEGFSFVNSEFLKPEVKS

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PRKCB

Entrez GeneID [5579](#)

GeneBank Accession# [BC036472.1](#)

Protein Accession# [AAH36472.1](#)

Gene Name PRKCB

Gene Alias MGC41878, PKC-beta, PKCB, PRKCB1, PRKCB2

Gene Description protein kinase C, beta

Omim ID [176970](#)

Gene Ontology [Hyperlink](#)

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](#)
- [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](#)