

DNAxPAb

Hard-to-Find
Antibody

PKN1 DNAxPab

Catalog # H00005585-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PKN1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MASDAVQSEPRSWSLLEQLGLAGADLAAPGVQQQLELERERLRREIRKELKLKEGAENLRRATT
DLGRSLGPVELLLRGSSRRLDLLHQQLQELHAHVLPDPAATHDGPQSPGAGGPTCSATNLSRV
AGLEKQLAIELKVKGGAENMIQTYNSGSTKDRKLLLTAAQMLQDSKTKIDIIRMQLRRALQAGQLEN
QAAPDDTQGSPDLGAVELRIEELRHHFRVEHAVAEGAKNVLRLLSAAKAPDRKAVSEAEKLTE
SNQKLGLLREALERRLGELPADHPKGRLLREELAAASSAAFSTRLAGPFPATHYSTLCKPAPLTG
TLEVRVVGCRDLPETIPWNPTPSMGGPGTDSRPPFLSRPARGLYSRSGSLSGRSSLKAEAEENT
SEVSTVLKLDNTVVGQTSWKPCGPNAWDQSFTLELERARELELAVFWRDQRGLCALFKLKLED
FLDNERHEVQLDMEPQGCLVAEVTFRNPVIERIPRLRRQKKIFSKQQGKAFQRRQMNDVATWV
RLLRRLIPNATGTGTFSPGASPGSEARTTGDISVEKLNLTGSDSSPQKSSRDPPSSPSSLSSPIQ
ESTAPELPSETQETPGPALCSPLRKSPLTLEDFKFLAVLGRGHFGKVLLSEFRPSGELFAIKALKK
GDIVARDEVESLMCEKRILAAVTSAGHPFLVNLFGCFQTPEHVCVMEYSAGGDLMLHIHSDVFS
EPRAIFYSACVVLGLQLFHEHKIYRDLKLDNLLDTEGYVKIADFGLCKEGMGYGDRTSTFCGTP
EFLAPEVLTDTSYTRAVDWWGLGVLLYEMLVGESPFPGDDEEEVFDSVNDDEVRYPRFLSAEIG
IMRLLRRNPERRLGSSERDAEDVKKQPFRTLGWEALLARLPPPFVPTLSGRTDISNFDEEFT
GEAPTLSPPRDARPLTAAEQAAFLDFDFVAGGC

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 — PKN1

Entrez GeneID [5585](#)

GeneBank Accession# [BC040061.1](#)

Protein Accession# [AAH40061.1](#)

Gene Name PKN1

Gene Alias DBK, MGC46204, PAK1, PKN, PKN-ALPHA, PRK1, PRKCL1

Gene Description protein kinase N1

Omim ID [601032](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the protein kinase C superfamily. This kinase is activated by Rho family of small G proteins and may mediate the Rho-dependent signaling pathway. This kinase can be activated by phospholipids and by limited proteolysis. The 3-phosphoinositide dependent protein kinase-1 (PDPK1/PDK1) is reported to phosphorylate this kinase, which may mediate insulin signals to the actin cytoskeleton. The proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggests its role in signal transduction related to apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations

protein kinase C-like 1|protein kinase C-like PKN|protein kinase C-related kinase 1|serine-threonine kinase N|serine/threonine protein kinase N

Disease

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- [Diabetes Mellitus](#)

- [Edema](#)