

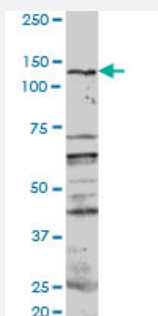
MaxPab®

PKN1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005585-D01

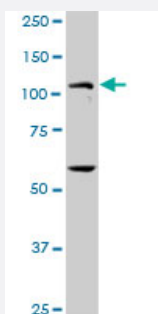
Size 100 uL

Applications



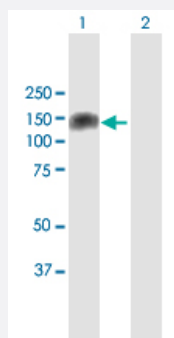
Western Blot (Tissue lysate)

PKN1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PKN1 expression in mouse testis.



Western Blot (Cell lysate)

PKN1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PKN1 expression in K-562.

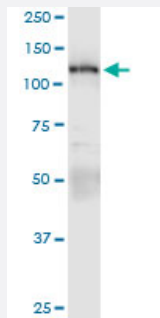


Western Blot (Transfected lysate)

Western Blot analysis of PKN1 expression in transfected 293T cell line ([H00005585-T01](#)) by PKN1 MaxPab polyclonal antibody.

Lane 1: PKN1 transfected lysate(103.9 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PKN1 transfected lysate using anti-PKN1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PKN1 purified MaxPab mouse polyclonal antibody (B01P) ([H00005585-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PKN1 protein.
Immunogen	PKN1 (AAH40061.1, 1 a.a. ~ 942 a.a) full-length human protein.
Sequence	MASDAVQSEPRSWSLLEQLGLAGADLAAPGVQQQLELERERLRREIRKELKLKEGAENLRRATT DLGRSLGPVELLLRGSSRRDLLHQQLQELHAHVLPDPAATHDGPQSPGAGGPTCSATNLSRV AGLEKQLAIELKVKQGAENMIQTYSNGSTKDRKLLLTAQQMLQDSKTKIDIIRMQLRRALQAGQLEN QAAPDDTQGSPDLGAVELRIEELRHHFRVEHAVAEGAKNVLRLLSAAKAPDRKAVSEAQEKLTE SNQKLGLLREALERRLGELPADHPKGRLLREELAAASSAAFSTRLAGPFPATHYSTLCKPAPLTG TLEVRVVGCRDLPETIPWNPTPSMGGPGTPDSRPPFLSRPARGLYSRSGSLSGRSSLKAEAEENT SEVSTVLKLDNTVVGQTSWKPCGPNAWDQSFTLELERARELELAVFWRDQRGLCALFKLED FLDNERHEVQLDMEPQGCLVAEVTFRNPVIERIPRLRQKKIFSKQQGKAFQRRARQMNDVATWV RLLRRLIPNATGTGTFSPGASPGSEARTTGDISVEKLNLTGSDSSPQKSSRDPPSSSSLSSPIQ ESTAPELPSETQETPGPALCSPLRKSPLTLEDFKFLAVLGRGHFGKVLLSEFRPSGELFAIKALKK GDIVARDEVESLMCEKRILAAVTSAGHPFLVNLFGCFQTPEHVCVMEYSAGGDLMLHIHSDVFS EPRAIFYSACVVLGLQLFHEHKIVYRDLKLDNLLDTEGYVKIADFGLCKEGMGYGDRTSTFCGTP EFLAPEVLTDTSYTRAVDWWGLGVLLYEMLVGESPFPGDDEEEVFDSVNDDEVRYPRFLSAEIG IMRRLRRNPERRLGSSERDAEDVKKQPFRTLGWEALLARRLPPPFVPTLSGRTDISNFDEEFT GEAPTLSPPRDARPLTAAEQAAFLDFDFVAGGC
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PKN1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PKN1 expression in mouse testis.

[Protocol Download](#)

- Western Blot (Cell lysate)

PKN1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PKN1 expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PKN1 expression in transfected 293T cell line ([H00005585-T01](#)) by PKN1 MaxPab polyclonal antibody.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

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](#)