

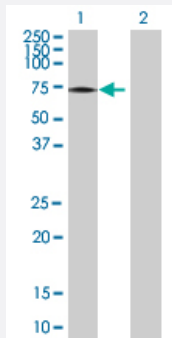
MaxPab®

PRKCZ MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005590-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PRKCZ expression in transfected 293T cell line ([H00005590-T01](#)) by PRKCZ MaxPab polyclonal antibody.

Lane 1: PRKCZ transfected lysate(65.12 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PRKCZ protein.

Immunogen

PRKCZ (NP_002735.3, 1 a.a. ~ 592 a.a) full-length human protein.

Sequence

MPSRTGPKMEGSGGRVRLKAHYGGDIFITSVDAATTFEELCEEVRDMCRLHQQHPLTLKWVDSE
GDPCTVSSQMELEEAFLARQCRDEGLIHVFPSTPEQPGLPCPGEDKSIYRRGARRWRKLYRAN
GHLFQAKRFNRRAYCGQCSEIRWGLARQGYRCINCKLLVHKRCHGLVPLTCRKHMDSVMPSQEP
PVDDKNEDADLPSEETDGIAYSSSRKHDSIKDDSEDLKPVIDGMDGKISQGLGLQDFDLIRVIGR
GSYAKVLLVRLKKNDQYAMKVVKKELVHDDDEDIDWVQTEKHVFEQASSNPFLVGLHSCFQTTSR
LFLVIEYVNGGDLMFHMQRQRKLPEEHARFYAAEICIALNFLHERGIYRDLKLDNVLLDADGHIKLT
DYGMCKEGLGPGDTTSTFCGTPNYAPEILRGEEYGFSDVWWALGVLMFEMMAGRSPFDIITDNP
DMNTEDYLFQVILEKPIRIPRFLSVKASHVLKGFNLKDPKERLGCRPQTGFSDIKSHAFFRSIDWDL
LEKKQALPPFPQITDDYGLDNFDTQFTSEPVQLTPDDEDAIKRIDQSEFEGFEYINPLLLSTEEVS

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (96); Rat (96)

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)

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PRKCZ

Entrez GeneID
[5590](#)
GeneBank Accession#
[NM_002744.4](#)
Protein Accession#
[NP_002735.3](#)
Gene Name

PRKCZ

Gene Alias

PKC-ZETA, PKC2

Gene Description

protein kinase C, zeta

Omim ID
[176982](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which are involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unlike the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the classical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000001368|OTTHUMP00000044160

Pathway

- [Chemokine signaling pathway](#)
- [Endocytosis](#)
- [Insulin signaling pathway](#)
- [Tight junction](#)
- [Type II diabetes mellitus](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)