

## Product datasheet

# Anti-PKC mu/PKD antibody ab172096

★★★★☆ 1 Abreviews 2 Images

### Overview

<b>Product name</b>	Anti-PKC mu/PKD antibody
<b>Description</b>	Mouse polyclonal to PKC mu/PKD
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat
<b>Immunogen</b>	Full length protein corresponding to Human PKC mu/PKD aa 1-912. NCBI: AAI60015.1 Sequence: MSAPPVLRPPSPLLPVAAAAAAAAAALVPGSGPGPA PFLAPVAAPVGGIS FHLQIGLSREPVLLLQDSSGDYSLAHVREMACSVDQK FPEGFYGMYDK ILLFRHDPTSENILQLVKAASDIQEGDLIEVVLSASATFE DFQIRPHALF VHSYRAPAFCDHCGEMLWGLVRQGLKCEGCGLNYHK RCAFKIPNNCSGVR RRRLSNVSLTGVSTIRTSSAELSTSAPDEPLLQKSPSE SFIGREKRSNSQ SYGRPIHLDKILMSKVVPHTFVIHSYTRPTVCQYCKKL LKGLFRQGLQ CKDCRFNCHKRCAPKVPNNCLGEVTINGDLLSPGAES DVVMEEGSDDNDS ERNGLMDDMEEAMVQDAEMAMAECQNDSGEMQD PDPDHEDANRTISPST SNNIPLMRVVQSVKHTKRKSSTVMKEGWMVHYTSKDT LRKRHYWRLDSKC ITLFQNDTGSRYYEIPLSEILSLEPVKTSALIPNGANPH CFEITANVV YYGENVVNPSSPSPNNSVLTSGVGADVARMWEIAIQ HALMPVIPKGSSV GTGTNLHRDISVSISVSNCQIQENVDISTVYQIFPDEVLG SGQFGIVYGG KHRKTGRDVAIKIIDKLRFPKQESQLRNEVAILQNLHH PGVVNLECMFE TPERVFVMEKLGDMLEMILSSEKGRLEPHITKFLITQI

LVALRHLHFK  
NIVHCDLKPENVLLASADPFQVVKLCDFGFARIIGES  
FRRSVVGTPAYL  
APEVLRNKGYNRSLDMWSVGVIIWVSLSGTFPFNEDED  
IHDQIQNAAFMY  
PPNPWKEISHEIDLINLLQVKMRKRYSDKTLSPW  
LDYQTWLDLRE  
LECKIGERYTHESDDLREWEKYAGEQGLQYPHTLINPSA  
SHSDTPETEET EMKALGERVSIL

Database link: [Q15139](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

#### Positive control

Lysate from 293T cells transfected with PKC mu/PKD.

#### General notes

This product was previously labelled as PKC mu

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.4 Constituent: 100% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab172096** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆	Use a concentration of 1 µg/ml. Predicted molecular weight: 102 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

### Target

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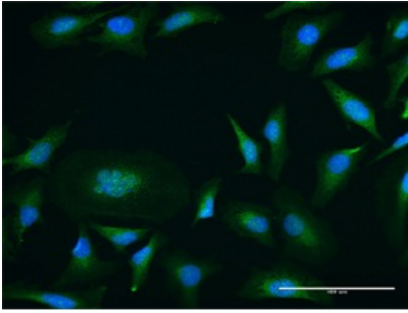
<b>Function</b>	Converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress through activation of NF-kappa-B.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily. Contains 1 PH domain. Contains 2 phorbol-ester/DAG-type zinc fingers.

Contains 1 protein kinase domain.

## Cellular localization

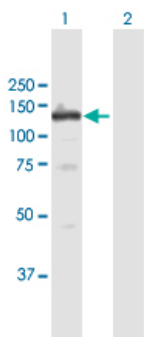
Cytoplasm. Membrane. Translocation to the cell membrane is required for kinase activation.

## Images



Immunocytochemistry/ Immunofluorescence - Anti-PKC mu/PKD antibody (ab172096)

Immunofluorescence of ab172096 on HeLa cell. [antibody concentration 10 ug/ml]



Western blot - Anti-PKC mu/PKD antibody (ab172096)

**All lanes :** Anti-PKC mu/PKD antibody (ab172096) at 1 µg/ml

**Lane 1 :** Lysate from 293T cells transfected with PKC mu/PKD

**Lane 2 :** Lysate from untransfected 293T cells

Lysates/proteins at 15 µl per lane.

**Predicted band size:** 102 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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