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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKCZ monoclonal antibody (M01), clone 2D1

Catalog # : H00005590-M01

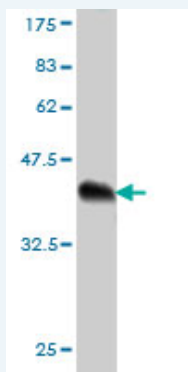
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant PRKCZ.
Immunogen:	PRKCZ (AAH08058, 165 a.a. ~ 255 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	KLLVHKRCHGLVPLTCRKHMDSVMPSQEPPVDDKNEDADLPSEETDGIAYISSRKHDSIKDDSEDLKPVIDGMDGIKISQGLGLQDFDLI
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2b Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.42 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

MSDS: [!\[\]\(9c2e8d1b5bd77cb5c9f83b7a9cff79fd_img.jpg\) Download](#)

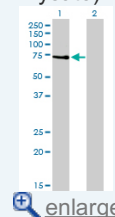
Datasheet: [!\[\]\(e3275251d0893157c3584e20c81dc3ba_img.jpg\) Download](#)

Applications

Western Blot (Transfected lysate)

Application Image

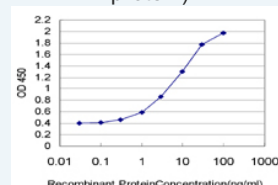
Western Blot (Transfected lysate)



[enlarge](#)

Western Blot (Recombinant protein)

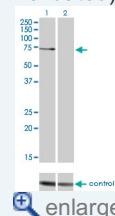
Sandwich ELISA (Recombinant protein)



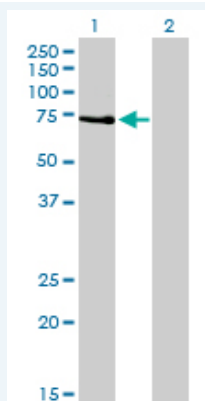
[enlarge](#)

ELISA

RNAi Knockdown (Antibody validated)



[enlarge](#)



Western Blot analysis of PRKCZ expression in transfected 293T cell line by PRKCZ monoclonal antibody (M01), clone 2D1.

Lane 1: PRKCZ transfected lysate(67.7 KDa).

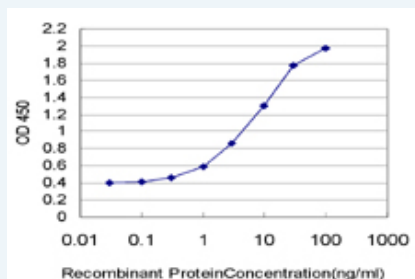
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

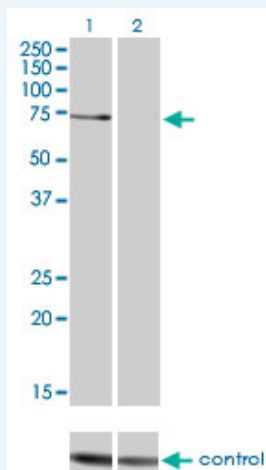


Detection limit for recombinant GST tagged PRKCZ is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

RNAi Knockdown (Antibody validated)



Western blot analysis of PRKCZ over-expressed 293 cell line, cotransfected with PRKCZ Validated Chimera RNAi (Cat # H00005590-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PRKCZ monoclonal antibody (M01) clone 2D1 (Cat # H00005590-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Information

Entrez GeneID: [5590](#)

GeneBank [BC008058](#)
Accession#:

Protein [AAH08058](#)
Accession#:

Gene Name: PRKCZ

Gene Alias: PKC-ZETA,PKC2

Gene protein kinase C, zeta
Description:

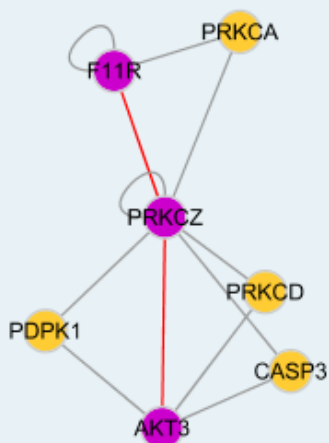
Omim ID: [176982](#)

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 OTTHUMP00000001368,OTTHUMP00000044160
Designations:

Interactome



Gene Pathway

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

Related Disease

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