

# CDC42BPB polyclonal antibody (A01)

Catalog # H00009578-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (37 KDa) .

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a partial recombinant CDC42BPB.
<b>Immunogen</b>	CDC42BPB (AAD37506, 1580 a.a. ~ 1679 a.a) partial recombinant protein with GST tag.
<b>Sequence</b>	SKMISNPTNFNHVAHMGPGDGMQVLMDLPLSAVPPSQEERPGPAPTNLARQPPSRNKPYISWP SSGGSEPSVTVPLRMSDPDQDFDKEPDS DSTKHSTP
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (91); Rat (92)
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 KDa) .
<b>Storage Buffer</b>	50 % glycerol
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — CDC42BPB

Entrez GeneID [9578](#)

GeneBank Accession# [AF128625](#)

Protein Accession# [AAD37506](#)

Gene Name CDC42BPB

Gene Alias KIAA1124, MRCKB

Gene Description CDC42 binding protein kinase beta (DMPK-like)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the serine/threonine protein kinase family. The encoded protein contains a Cdc42/Rac-binding p21 binding domain resembling that of PAK kinase. The kinase domain of this protein is most closely related to that of myotonic dystrophy kinase-related ROK. Studies of the similar gene in rat suggested that this kinase may act as a downstream effector of Cdc 42 in cytoskeletal reorganization. [provided by RefSeq]

**Other Designations** CDC42-binding protein kinase beta|CDC42-binding protein kinase beta (DMPK-like)|myotonic dystrophy protein kinase-like beta

## Publication Reference

- [A novel small-molecule MRCK inhibitor blocks cancer cell invasion.](#)

Unbekandt M, Croft DR, Crighton D, Mezna M, McArthur D, McConnell P, Schuttelkopf AW, Belshaw S, Pannifer A, Sime M, Bower J, Drysdale M, Olson MF.

Cell Communication and Signaling 2014 Oct; 12(1):54.

Application: WB-Tr, Human, MDA-MB-231 cells

- [Co-Crystal Structures of Inhibitors with MRCK \$\beta\$ , a Key Regulator of Tumor Cell Invasion.](#)

Heikkila T, Wheatley E, Crighton D, Schroder E, Boakes A, Kaye SJ, Mezna M, Pang L, Rushbrooke M, Turnbull A, Olson MF.

PLoS One 2011 Sep; 6(9):e24825.

Application: WB-Tr, Human, MDA-MB-231 cells

- [Visual screening and analysis for kinase-regulated membrane trafficking pathways that are involved in extensive  \$\beta\$ -amyloid secretion.](#)

Adachi A, Kano F, Saido TC, Murata M.

Genes to Cells 2009 Mar; 14(3):355.

Application: WB-Tr, Human, HEK-APP cells

## Disease

- [Tobacco Use Disorder](#)