MRCKa Antibody

Catalog No: #35291

Package Size: #35291-1 50ul #35291-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

and 50% glycerol.	Description	
Clonality Polyclonal   Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   Applications WB IHC IF   Species Reactivity Hu   Specificity The antibody detects endogenous levels of total MRCKa protein.   Immunogen Type Peptide   Immunogen Description Synthesized peptide derived from Internal of human MRCKa.   Target Name MRCKa   Other Names CDC42 binding protein kinase alpha (DMPK-like); CDC42 Binding protein kinase bata); CDC42-binding protein kinase alpha (DMPK-like); CDC42BPA   Accession No. Swiss-Prot: Q5VT25NCBI Gene ID: 8476   Uniprot Q5VT25   GeneID 8476;   SDS-PAGE MW 197kd   Concentration 1.0mg/ml   Formulation Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide ant 50% glycerol.	Product Name	MRCKa Antibody
Purification   The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.     Applications   WB IHC IF     Species Reactivity   Hu     Specificity   The antibody detects endogenous levels of total MRCKa protein.     Immunogen Type   Peptide     Immunogen Description   Synthesized peptide derived from Internal of human MRCKa.     Target Name   MRCKa     Other Names   CDC42 binding protein kinase alpha (DMPK-like); CDC42 binidng protein kinase beta; CDC42-binding protein kinase alpha; CDC42-BPA     Accession No.   Swiss-Prot: QSVT25NCBI Gene ID: 8476     Uniprot   QSVT25     GeneID   8476;     SDS-PAGE MW   197kd     Concentration   1.0mg/ml     Formulation   Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.	Host Species	Rabbit
immunogen.     Applications   WB IHC IF     Species Reactivity   Hu     Specificity   The antibody detects endogenous levels of total MRCKa protein.     Immunogen Type   Peptide     Immunogen Description   Synthesized peptide derived from Internal of human MRCKa.     Target Name   MRCKa     Other Names   CDC42 binding protein kinase alpha (DMPK-like); CDC42 binidng protein kinase beta; CDC42-binding protein kinase alpha.     Accession No.   Swiss-Prot: Q5VT25NCBI Gene ID: 8476     Uniprot   Q5VT25     GeneID   8476;     SDS-PAGE MW   197kd     Concentration   1.0mg/ml     Formulation   Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.	Clonality	Polyclonal
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Storage Store at -20°C		and 50% glycerol.
	Storage	Store at -20°C

## **Application Details**

Western blotting: 1:500~1:3000

## Images

JK CoLo	
CDC42BPA —	250 150 100
	75
	50
	37
	25
	25 20
	15
	(kd)

Western blot analysis of extracts from Jurkat/COLO205 cells, using MRCKa antibody #35291.

## Background

Serine/threonine-protein kinase which is an important downstream effector of CDC42 and plays a role in the regulation of cytoskeleton reorganization and cell migration. Regulates actin cytoskeletal reorganization via phosphorylation of PPP1R12C and MYL9/MLC2. In concert with MYO18A and LURAP1, is involved in modulating lamellar actomyosin retrograde flow that is crucial to cell protrusion and migration. Phosphorylates: PPP1R12A, LIMK1 and LIMK2. May play a role in TFRC-mediated iron uptake.

Wilkinson S., Nat. Cell Biol. 7:255-261(2005).

Totoki Y., Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.

Bechtel S., BMC Genomics 8:399-399(2007).

Note: This product is for in vitro research use only