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
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	Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide
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