

MRCKG Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11464
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human protein . at AA range: 1370-1450
Mol wt	N/A
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Serine/threonine-protein kinase MRCK gamma
Synonyms	Serine/threonine-protein kinase MRCK gamma ;EC 2.7.11.1;CDC42-binding protein kinase gamma;DMPK-like gamma;Myotonic dystrophy kinase-related CDC42-binding kinase gamma;MRCK gamma;MRCKG;Myo

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Maintained in an inactive, closed conformation by an interaction between the kinase domain and the negative autoregulatory C-terminal coiled-coil region. Agonist binding to the phorbol ester binding site disrupts this, releasing the kinase domain to allow N-terminus-mediated dimerization and kinase activation by transautophosphorylation.,May act as a downstream effector of CDC42 in cytoskeletal reorganization. Contributes to the actomyosin contractility required for cell invasion, through the regulation of MYPT1 and thus MLC2 phosphorylation.,Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. DMPK subfamily.,Contains 1 AGC-kinase C-terminal domain.,Contains 1 CNH domain.,Contains 1 CRIB domain.,Contains 1 PH domain.,Contains 1 phorbol-ester/DAG-type zinc finger.,Contains 1 protein kinase domain.,subcellular location:Concentrates at the leading edge of cells.,subunit:Homodimer and homotetramer via the coiled coil regions. Interacts tightly with GTP-bound but not GDP-bound CDC42.,tissue specificity:Expressed in heart and skeletal muscle.,

Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year