

CDC42EP2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CDC42EP2.

Catalog # AT1466a

Product Information

Application	WB
Primary Accession	O14613
Other Accession	NM_006779
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2H7
Calculated MW	22484

Additional Information

Gene ID	10435
Other Names	Cdc42 effector protein 2, Binder of Rho GTPases 1, CDC42EP2, BORG1, CEP2
Target/Specificity	CDC42EP2 (NP_006770, 102 a.a. ~ 210 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CDC42EP2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

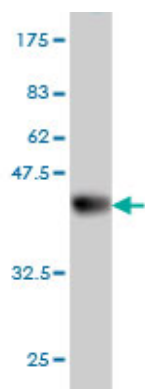
CDC42, a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the downstream effector proteins. The protein encoded by this gene is a member of the Borg family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to, and negatively regulate the function of, CDC42. Coexpression of this protein with dominant negative mutant CDC42 protein in fibroblast was found to induce pseudopodia formation, which suggested a role of this protein in actin filament assembly and cell shape control.

References

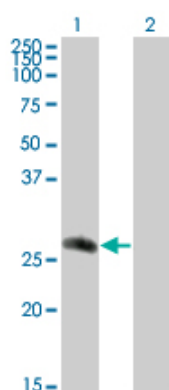
1. Protein array analysis of oligomerization-induced changes in alpha-synuclein protein-protein interactions

points to an interference with CDC42 effector proteins.Schnack C, Danzer KM, Hengerer B, Gillardon F.Neuroscience. 2008 Jul 17;154(4):1450-7. Epub 2008 Feb 29.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



Western Blot analysis of CDC42EP2 expression in transfected 293T cell line by CDC42EP2 monoclonal antibody (M01), clone 2H7.

Lane 1: CDC42EP2 transfected lysate(22.5 KDa).
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.