

CDC42EP2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CDC42EP2. Catalog # AT1466a

Product Information

Application WB **Primary Accession** 014613 **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

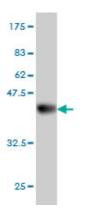
CDC42, a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the downstream effector proteins. The protein encoded by this gene is a member of the Borg family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) 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

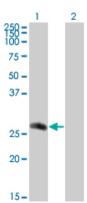
^{1.} Protein array analysis of oligomerization-induced changes in alpha-synuclein protein-protein interactions

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'.