

## CDC42EP2 Antibody (monoclonal) (M01)

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

#### Specification

## CDC42EP2 Antibody (monoclonal) (M01) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW WB <u>O14613</u> <u>NM\_006779</u> Human mouse Monoclonal IgG1 Kappa 22484

## CDC42EP2 Antibody (monoclonal) (M01) - 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.

### CDC42EP2 Antibody (monoclonal) (M01) - Protocols

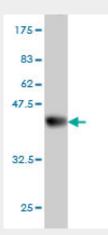
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

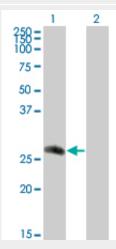


- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## CDC42EP2 Antibody (monoclonal) (M01) - 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.

# CDC42EP2 Antibody (monoclonal) (M01) - 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.



# CDC42EP2 Antibody (monoclonal) (M01) - 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.