10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CDC42EP2 Antibody (monoclonal) (M01)

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

Specification

CDC42EP2 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	O14613
Other Accession	NM_006779
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**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

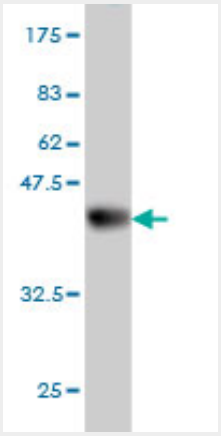
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

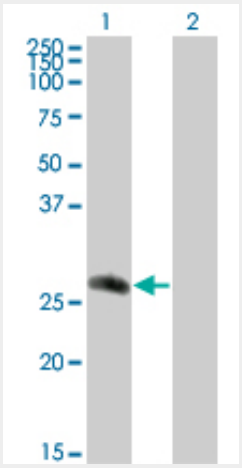
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.