

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 .

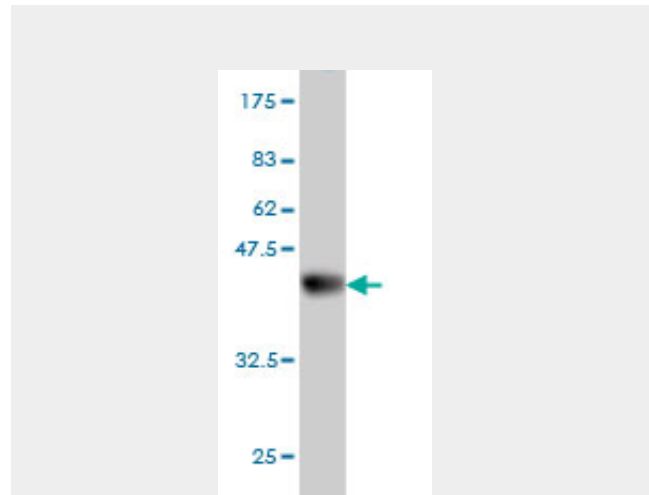
Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

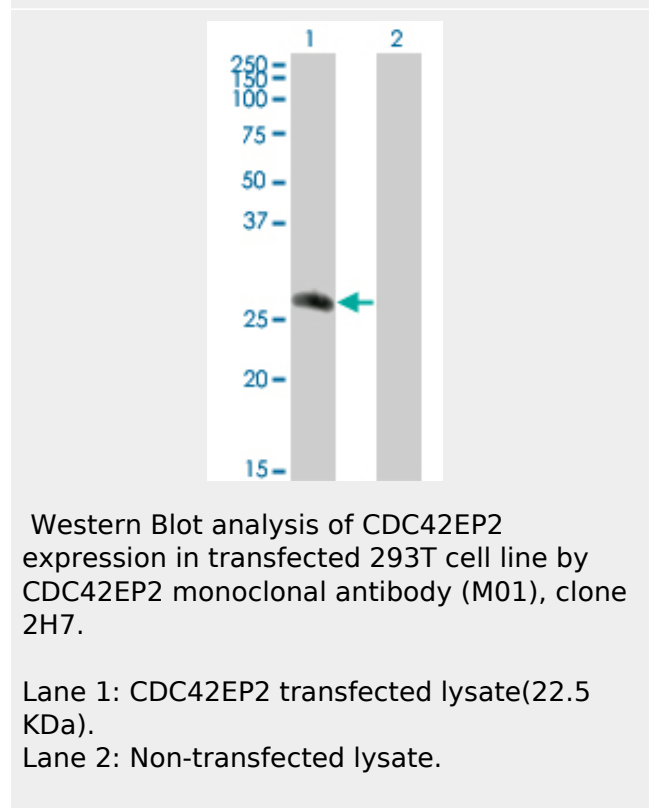
Precautions

CDC42EP2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

CDC42EP2 Antibody (monoclonal) (M01) - Protocols



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



CDC42EP2 Antibody (monoclonal) (M01) - Background

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.