

CAP1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant CAP1.****Catalog # AT1385a****Specification**

CAP1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q01518
Other Accession	BC013963
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	51901

CAP1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 10487**Other Names**

Adenylyl cyclase-associated protein 1, CAP 1, CAP1, CAP

Target/Specificity

CAP1 (AAH13963, 1 a.a. ~ 475 a.a) full-length 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

CAP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

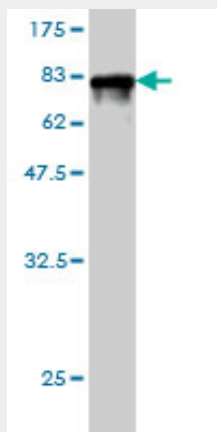
CAP1 Antibody (monoclonal) (M01) - Protocols

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

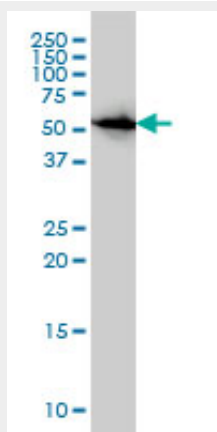
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

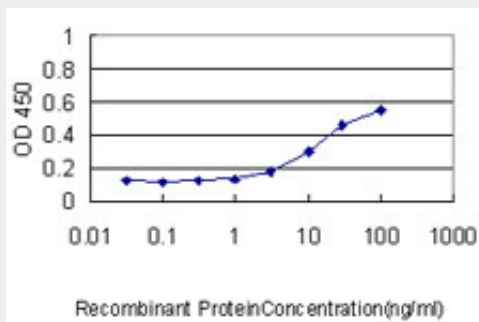
CAP1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (77.99 kDa) .



CAP1 monoclonal antibody (M01), clone 4A2 Western Blot analysis of CAP1 expression in HeLa (Cat # AT1385a)



Detection limit for recombinant GST tagged CAP1 is approximately 0.3ng/ml as a capture antibody.

CAP1 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is related to the *S. cerevisiae* CAP protein, which is involved in the cyclic AMP pathway. The human protein is able to interact with other molecules of the same protein, as well as with CAP2 and actin. Alternatively spliced transcript variants have been identified.

CAP1 Antibody (monoclonal) (M01) - References

1.Expression and function of neuronal growth-associated proteins (nGAPs) in PC12 cells.Lu J, Nozumi M, Takeuchi K, Abe H, Igarashi M.Neurosci Res. 2011 Jan 14. [Epub ahead of print]2.Adenylyl cyclase-associated protein-1/CAP1 as a biological target substrate of gelatinase B/MMP-9.Cauwe B, Martens E, Van den Steen PE, Proost P, Van Aelst I, Blockmans D, Opdenakker G.Exp Cell Res. 2008 Sep 10;314(15):2739-49. Epub 2008 Jul 16.