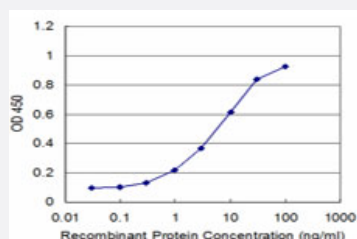


CAP1 monoclonal antibody (M02), clone 4A9

Catalog # H00010487-M02

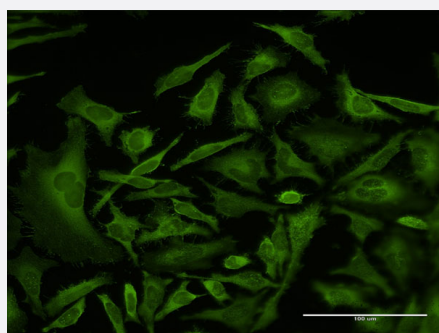
Size 100 ug

Applications



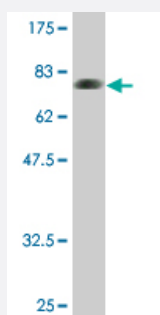
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

Immunofluorescence of monoclonal antibody to CAP1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (77.99 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant CAP1.

Immunogen	CAP1 (AAH13963, 1 a.a. ~ 475 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MADMQNLVERLERAVGRLEAVSHTSDMHRGYADSPSKAGAAPYVQAFDSLLAGPVAEYLKISKE IGGDVQKHAEMVHTGLKLERALLVTASQCQQAENKLSDLLAPISEKIKEVITFREKNRGSKLFNH LSAVSESIQALGWVAMAPKPGPYVKEMNDAAMFYTNRLKEYKDVDKKHVDWVKAYLSMWTELQ AYIKEFHHTGLAWSKTGPVAKELSGLPSPGSPAGSGPPPPPPGPPPPPVSTSSGSDASRSALF AQINQGESITHALKHVSDDMKTHKNPALKAQSGPVRSGPKPFSAPKPKQTSPSPKRATKKEPAVL ELEGKKWRVENQENVSNLVIEDTELKQVAYIKCVNTTLQIKGKINSITVDNCKKLGLVFDDVVGME IINSKDVKVQVMGKVPTISINKTDGCHAYLSKNSLDCEVSAKSSEMNVLIPTTEGGDFNEFPVPEQF KTLWNGQKLVTTVTEIAG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (77.99 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CAP1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CAP1

Entrez GeneID [10487](#)

GeneBank Accession# [BC013963](#)

Protein Accession# [AAH13963](#)

Gene Name CAP1

Gene Alias CAP, CAP1-PEN

Gene Description CAP, adenylate cyclase-associated protein 1 (yeast)

Gene Ontology [Hyperlink](#)

Gene Summary 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 . [provided by RefSeq]

Other Designations OTTHUMP00000004820|OTTHUMP00000004821|OTTHUMP00000004822|adenyl cyclase-associated protein

Publication Reference

- [Functional interdependence of the actin regulators CAP1 and cofilin1 in control of dendritic spine morphology.](#)

Anika Heinze, Cara Schudt, Sharof Khudayberdiev, Bas van Bommel, Daniela Hacker, Toni G. Schulz, Ramona Stringhi, Elena Marcello, Marina Mikhaylovax, Marco B. Rust.

Cellular and Molecular Life Sciences : CMLS 2022 Oct; 79(11):558.

Application: IP, PLA, Mouse, Rat, Mouse hippocampi, Rat hippocampal neuronal

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)