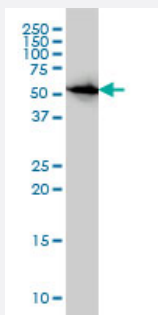


CAP1 monoclonal antibody (M01), clone 4A2

Catalog # H00010487-M01

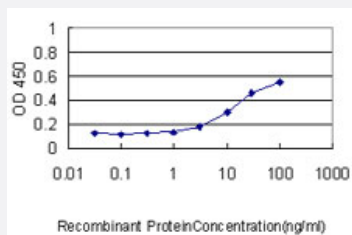
Size 100 ug

Applications



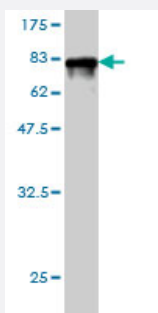
Western Blot (Cell lysate)

CAP1 monoclonal antibody (M01), clone 4A2 Western Blot analysis of CAP1 expression in HeLa (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

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



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 LSAVSESIQALGWVAMAPKPGPYVKEMNDAAMFYTNRLKEYKDVKKHVDWVKAYLSMWTELQ AYIKEFHHTGLAWSKTGPVAKELSGLPSPGSPAGSGPPPPPPGPPPPPVSTSSGSDASRSALF AQINQGESITHALKHVSDDMKTHKNPALKAQSGPVRSGPKPFSAPKPQTSPSPKRATKKEPAVL ELEGKKWRVENQENVSNLVIEDTELKQVAYIKCVNTTLQIKGKINSITVDNCKKLGLVFDDVVGVME IINSKDVKVQVMGKVPTISINKTDGCHAYLSKNSLDCEVSAKSSEMNVLIPTGGDFNEFPVPEQF 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 (Cell lysate)

CAP1 monoclonal antibody (M01), clone 4A2 Western Blot analysis of CAP1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- 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

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 <i>S. cerevisiae</i> 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 adenylyl cyclase-associated protein

Publication Reference

- [Expression and function of neuronal growth-associated proteins \(nGAPs\) in PC12 cells.](#)
 Lu J, Nozumi M, Takeuchi K, Abe H, Igarashi M.
 Neuroscience Research 2011 May; 70(1):85.
 Application: IS, Rat, PC12D cells
- [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.
 Experimental Cell Research 2008 Jul; 314(15):2739.
 Application: WB, Human, Urine from patients with systemic autoimmune diseases

Disease

- [Diabetes Mellitus](#)

- [Genetic Predisposition to Disease](#)