

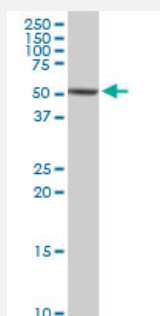
MaxPab®

CAP1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00010487-D01

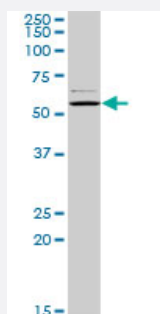
Size 100 uL

Applications



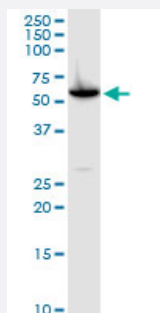
Western Blot (Tissue lysate)

CAP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in human pancreas.



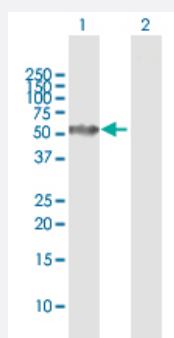
Western Blot (Tissue lysate)

CAP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in mouse spleen.



Western Blot (Cell lysate)

CAP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in HepG2.

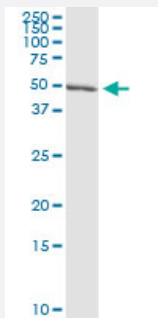


Western Blot (Transfected lysate)

Western Blot analysis of CAP1 expression in transfected 293T cell line ([H00010487-T02](#)) by CAP1 MaxPab polyclonal antibody.

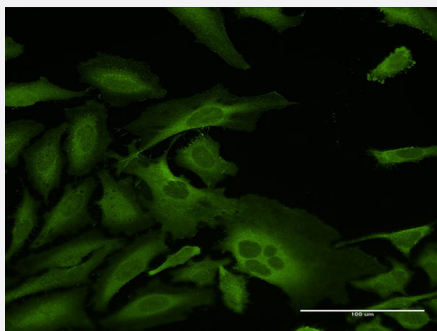
Lane 1: CAP1 transfected lysate(51.70 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of CAP1 transfected lysate using anti-CAP1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CAP1 purified MaxPab mouse polyclonal antibody (B01P) ([H00010487-B01P](#)).



Immunofluorescence

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

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CAP1 protein.
Immunogen	CAP1 (NP_006358.1, 1 a.a. ~ 475 a.a) full-length human protein.
Sequence	MADMQNLVERLERAVGRLEAVSHTSDMHRGYADSPSKAGAAPYVQAFDSL LAGPVAEYLKISKE IGGDVQKHAEMVHTGLKLERALLVTASQCQQPAENKLSDLLAPISEKI KEVITFREKNRGSKLFNH LSAVSESIQALGWVAMAPKPGPYVKEMNDAAMFYTNRLKEYKDVDKKHVDWVKAYLSWTELQ AYIKEFHTTGLAWSKTGPVAKELSGLPSPGSAGSGPPPPPPGPPPPPVSTSSGSDESASRSALF AQINQGESITHALKHVSDDMKTHKNPALKAQSGPVRSGPKPFSAPKPQTSPSPKRATKKEPAVL ELEGKKWRVENQENVSNLVIEDTELKQVAYYKCVNTTLQIKGKINSITVDNCKKLGLVFDDVVGIVE IINSKDVKVQVMGKVPTISINKTDGCHAYLSKNSLDCENVSAKSSEMNVLIPTEGGDFNEFPVPEQF KTLWNGQKLVTTVTEIAG
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CAP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in human pancreas.

[Protocol Download](#)

- Western Blot (Tissue lysate)

CAP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in mouse spleen.

[Protocol Download](#)

- Western Blot (Cell lysate)

CAP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CAP1 expression in transfected 293T cell line ([H00010487-T02](#)) by CAP1 MaxPab polyclonal antibody.

Lane 1: CAP1 transfected lysate(51.70 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of CAP1 transfected lysate using anti-CAP1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CAP1 purified MaxPab mouse polyclonal antibody (B01P) ([H00010487-B01P](#)).

[Protocol Download](#)

- Immunofluorescence

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

Gene Info — CAP1

Entrez GeneID	10487
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GeneBank Accession#	NM_006367
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Protein Accession#	NP_006358.1
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Gene Name	CAP1
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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 adenyl cyclase-associated protein

Publication Reference

- [A Practical and Analytical Comparative Study of Gel-Based Top-Down and Gel-Free Bottom-Up Proteomics Including Unbiased Proteoform Detection.](#)

Huriye Ercan, Ulrike Resch, Felicia Hsu, Goran Mitulovic, Andrea Bileck, Christopher Gerner, Jae-Won Yang, Margarethe Geiger, Ingrid Miller, Maria Zellner.

Cells 2023 Feb; 12(5):747.

Application: WB-Ce, Human, DU145 cells

- [Structure and mechanism of mouse cyclase-associated protein \(CAP1\) in regulating actin dynamics.](#)

Jansen S, Collins A, Golden L, Sokolova O, Goode BL.

The Journal of Biological Chemistry 2014 Oct; 289(44):30732.

Application: WB-Ce, Human, HEK293 cells

Disease

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