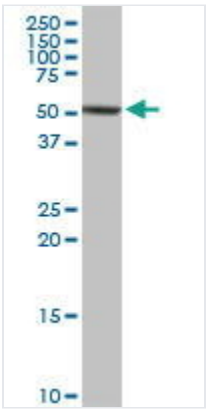
CAP1 Antibody – Rabbit Polyclonal

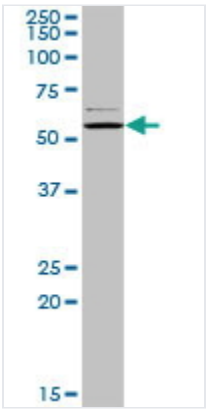
PRODUCT OVERVIEW

Product Name	CAP1, Polyclonal Antibody
Full Product Name	CAP1 (CAP, CAP 1, Adenylyl Cyclase-associated Protein 1) (Biotin)
Product Gene Name	anti-CAP1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CAP1. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	51,830 Da
3D Structure	ModBase 3D Structure for Q01518
Immunogen	Full-length human CAP1, aa1-475 (NP_006358.1).
Immunogen Sequence	MADMQNLVERLERAVGRLEAVSHTSDMHRGYADSPSKAGAAPYVQAFDSLLAGPVAEYLKISKEIGGDVQKHAEMVHTGLKLERALLVTASQCQQPAEN
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-CAP1 antibody	Antibodies; Enzymes; Cyclase
Applications Tested/Suitable for anti-CAP1 antibody	Western Blot (WB)
Application Notes for anti-CAP1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CAP1 antibody	CAP 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
Other Notes	Small volumes of anti-CAP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

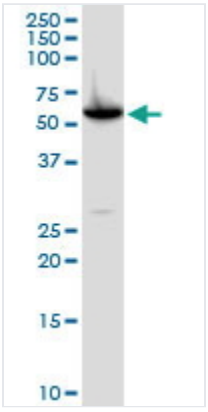
Searchable Terms for CAP1 purchase	MBS6372159 is an antibody targeting CAP1. Also known as CAP1 (CAP, CAP 1, Adenylyl Cyclase-associated Protein 1) (Biotin). Reactive in Human,



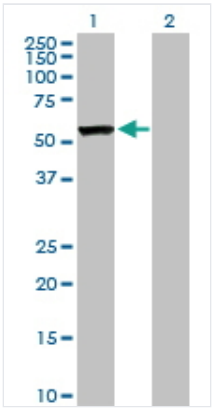
Western Blot (WB) of anti-CAP1 antibody
CAP1 rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in human pancreas.



Western Blot (WB) of anti-CAP1 antibody
CAP1 rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in mouse spleen.



Western Blot (WB) of anti-CAP1 antibody
CAP1 rabbit polyclonal antibody. Western Blot analysis of CAP1 expression in HepG2.



Western Blot (WB) of anti-CAP1 antibody
Western Blot analysis of CAP1 expression in transfected 293T cell line by CAP1 polyclonal antibody. Lane 1: CAP1 transfected lysate (51.7kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAP1. It may not necessarily be applicable to this product.

NCBI GI #	5453595
NCBI GeneID	10487
NCBI Accession #	NP_006358.1
UniProt Primary Accession #	Q01518
UniProt Secondary Accession #	Q53HR7; Q5T0S1; Q5T0S2; Q6I9U6
UniProt Related Accession #	Q01518
GenBank Nucleotide #	NM_006367
NCBI Official Full Name	adenylyl cyclase-associated protein 1 isoform a
NCBI Official Synonym Full Names	cyclase associated actin cytoskeleton regulatory protein 1
NCBI Official Symbol	CAP1
NCBI Official Synonym Symbols	CAP; CAP1-PEN
UniProt Protein Name	Adenylyl cyclase-associated protein 1

Protein Family	Adenylyl cyclase-associated protein
UniProt Gene Name	CAP1
UniProt Synonym Gene Names	CAP; CAP 1
UniProt Entry Name	CAP1_HUMAN
NCBI Protein Information	adenylyl cyclase-associated protein 1
NCBI Summary for CAP1	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 encoding different isoforms have been identified. [provided by RefSeq, Aug 2016]
UniProt Comments for CAP1	CAP1: an actin binding protein. Directly regulates filament dynamics and has been implicated in a number of complex developmental and morphological processes, including mRNA localization and the establishment of cell polarity. Protein type: Actin-binding; Cytoskeletal Chromosomal Location of Human Ortholog: 1p34.2 Cellular Component: cortical actin cytoskeleton; focal adhesion; plasma membrane Molecular Function: actin binding Biological Process: axon guidance; platelet activation; receptor-mediated endocytosis; platelet degranulation; ameboidal cell migration; adenylate cyclase activation; establishment and/or maintenance of cell polarity; signal transduction; blood coagulation; actin cytoskeleton organization and biogenesis
Research Articles on CAP1	**1.** CAP1 expression is markedly increased in human glioma and that downregulation of CAP1 in tumors may serve as a treatment for glioma patients.
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