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Anti-CAP1 Picoband Antibody

Catalog # ABO12608

Product Information

Application	WB
Primary Accession	Q01518
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Adenylyl cyclase-associated protein 1(CAP1) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	10487
Other Names	Adenylyl cyclase-associated protein 1, CAP 1, CAP1, CAP
Calculated MW	51901
Application Details	Western blot, 0.1-0.5 □g/ml, Human, Mouse, Rat
Subcellular Localization	Cell membrane ; Peripheral membrane protein .
Source	Eukaryota
Protein Name	Adenylyl cyclase-associated protein 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived human CAP1 recombinant protein (Position: A2-R123). Human CAP1 shares 92.6% and 93.4% amino acid (aa) sequence identity with mouse and rat CAP1, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

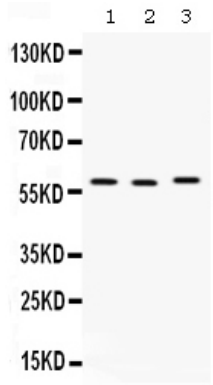
Protein Information

Name	CAP1
Synonyms	CAP
Function	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.
Cellular Location	Cell membrane; Peripheral membrane protein

Background

Adenylyl cyclase-associated protein 1 is an enzyme that in humans is encoded by the CAP1 gene. This gene is mapped to 1p34.2. The protein encoded by this gene is related to the S. cerevisiae CAP protein, which is involved in the cyclic AMP pathway. And 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.

Images



Western blot analysis of CAP1 expression in rat thymus extract (lane 1), rat spleen extract (lane 2) and SMMC7721 whole cell lysates (lane 3). CAP1 at 60KD was detected using rabbit anti-CAP1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12608) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

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