

Human Adenylyl Cyclase Associated Protein 2 (CAP2) ELISA Kit | CAP2 elisa kit

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CATALOG #
AAA137848

REACTIVITY
Human

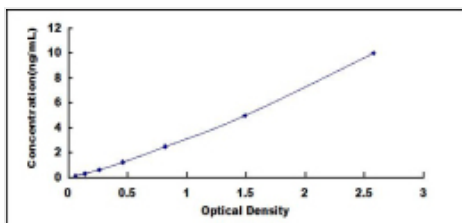
PRODUCT SYNONYMS

Adenylyl Cyclase Associated Protein 2 (CAP2); Human Adenylyl Cyclase Associated Protein 2 (CAP2) ELISA Kit; CAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Adenylyl Cyclase Associated Protein 2 (CAP2). No significant cross-reactivity or interference between Adenylyl Cyclase Associated Protein 2 (CAP2) and analogues was observed.
Sequence Length	217
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Adenylyl Cyclase Associated Protein 2 (CAP2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Adenylyl Cyclase Associated Protein 2 (CAP2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAP2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Adenylyl Cyclase Associated Protein 2 (CAP2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Adenylyl Cyclase Associated Protein 2 (CAP2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Adenylyl Cyclase Associated Protein 2 (CAP2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Adenylyl Cyclase Associated Protein 2 (CAP2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CAP2 elisa kit	Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453593
NCBI GeneID	10486
NCBI Accession #	NP_006357.1
NCBI GenBank Nucleotide #	NM_006366.2
UniProt Accession #	P40123; Q6IAY2; B2R5Y3; B7Z1C4; B7Z214
Molecular Weight	24,018 Da
NCBI Official Full Name	adenylyl cyclase-associated protein 2
NCBI Official Synonym Full Names	CAP, adenylate cyclase-associated protein, 2 (yeast)
NCBI Official Symbol	CAP2
NCBI Protein Information	adenylyl cyclase-associated protein 2
UniProt Protein Name	Adenylyl cyclase-associated protein 2
UniProt Gene Name	CAP2
UniProt Synonym Gene Names	CAP 2
UniProt Entry Name	CAP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/adenylyl-cyclase-associated-protein-2-cap2/137848>