

Human Adenylyl cyclase-associated protein 2 (CAP2) ELISA Kit



Catalog No: #EK11315

Orders: order@signalwayantibody.com

Package Size: #EK11315-1 48T #EK11315-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Adenylyl cyclase-associated protein 2 (CAP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	2810452G09Rik adenylyl cyclase-associated protein 2
Accession No.	P40123
Uniprot	P40123
GeneID	10486;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CAP2 in samples. An antibody specific for CAP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCAP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CAP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CAP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Adenylate Cyclase Associated Protein is an actin-binding protein that was originally identified as a binding partner for adenylate cyclase. It binds actin monomers and sequesters them from the polymerization process. The yeast ortholog of CAP is called Srv2.

Adenylyl Cyclase Associated Protein 2 was identified by its similarity to the gene for human adenylyl cyclase-associated protein. The function of the protein encoded by this gene is unknown. However, the protein appears to be able to interact with adenylyl cyclase-associated protein and actin.

Note: This product is for in vitro research use only