Human Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1 (ACAP1) ELISA Kit

Catalog No: #EK7639

Package Size: #EK7639-1 48T #EK7639-2 96T

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Description

Product Name	Human Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1 (ACAP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CENTB1; KIAA0050; Arf GAP with coiled coil; ANK repeat and PH domains 1|centaurin beta1|centaurin; beta 1
Accession No.	Q15027
Uniprot	Q15027
GeneID	9744;
Storage	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. 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).

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:7.8 pg/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 ACAP1 in samples. An antibody specific for ACAP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyACAP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACAP1 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 ACAP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:ACAP1 and ACAP2 were recruited to platelet-derived growth factor (PDGF)-induced dorsal membrane ruffles in NIH 3T3 mouse fibroblasts, and overexpression inhibited ruffle formation. The deduced protein contains 740 amino acids and shares 52% sequence identity with CENTB2. highest expression in spleen, thymus, and peripheral blood leukocytes, intermediate expression in lung, testis, and small intestine, and weak expression in prostate, ovary, and colon. No expression was detected in heart, brain, placenta, liver, skeletal muscle, kidney, and pancreas, and no expression was detected in HeLa cells.ACAP1 shares significant similarity with CENTB2, which the authors called ACAP2, and 95% identity with mouse Acap1.

Note: This product is for in vitro research use only