

Human Adenylate cyclase type 6 (ADCY6) ELISA Kit

Catalog No: #EK7721



Package Size: #EK7721-1 48T #EK7721-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Adenylate cyclase type 6 (ADCY6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AC6; DKFZp779F075; KIAA0422;
Accession No.	O43306
Uniprot	O43306
GeneID	112;
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:0.312-20 ng/mL

Sensitivity:0.128 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 ADCY6 in samples. An antibody specific for ADCY6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADCY6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADCY6 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 ADCY6 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Adenylate cyclase type 6 is a membrane-associated enzyme and catalyzes the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). The expression of this gene is found in normal thyroid and brain tissues, as well as some tumors; and its expression is significantly higher in one hyperfunctioning thyroid tumor than in normal thyroid tissue. Alternative splicing generates 2 transcript variants.By Southern blot analysis of somatic cell hybrid DNAs, Gaudin et al. (1994) mapped the ADCY6 gene to chromosome 12. The homologous mouse gene is located on chromosome 15 in the F region.

Note: This product is for in vitro research use only