

Human Adenylate Cyclase 2, Brain (ADCY2) ELISA Kit | ADCY2 elisa kit

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CATALOG #
AAA67604

REACTIVITY
Human

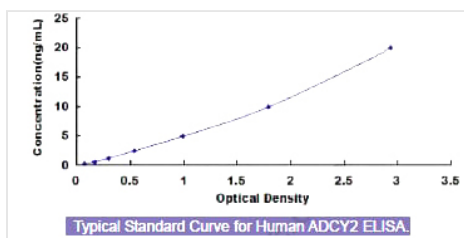
PRODUCT SYNONYMS

Adenylate Cyclase 2; Brain (ADCY2); Human Adenylate Cyclase 2; Brain (ADCY2) ELISA Kit; TYH; DYT5b; Tyrosine 3-Monooxygenase; Dystonia 14; ADCY2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADCY2. No significant cross-reactivity or interference between ADCY2 and analogues was observed.
Sequence Length	1091
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.119ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADCY2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADCY2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADCY2 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADCY2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADCY2. 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 ADCY2, 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 ADCY2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115387102
NCBI GeneID	108
NCBI Accession #	NP_065433.2
NCBI GenBank Nucleotide #	NM_020546.2
UniProt Accession #	Q08462; Q2NKL8; Q9UDB2; Q9UPU2; B7Z2C1
Molecular Weight	103,158 Da
NCBI Official Full Name	adenylate cyclase type 2
NCBI Official Synonym Full Names	adenylate cyclase 2
NCBI Official Symbol	ADCY2
NCBI Official Synonym Symbols	AC2; HBAC2
NCBI Protein Information	adenylate cyclase type 2
UniProt Protein Name	Adenylate cyclase type 2
UniProt Gene Name	ADCY2
UniProt Synonym Gene Names	KIAA1060

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/adenylate-cyclase-2-brain-adcy2/67604>