

Rat Adenylate cyclase type 2 (ADCY2) ELISA Kit | ADCY2 elisa kit

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CATALOG #
AAA246709

REACTIVITY
Rat

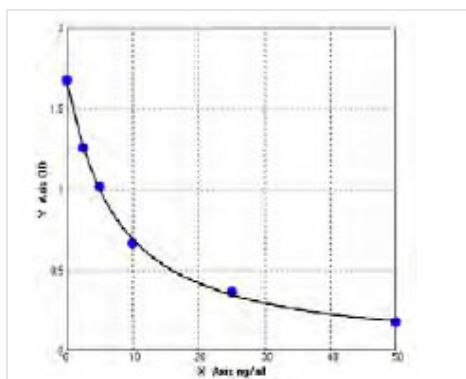
PRODUCT SYNONYMS

Adenylate cyclase type 2 (ADCY2); Rat Adenylate cyclase type 2 (ADCY2) ELISA Kit; ADCY2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY2 elisa kit

Intended Uses: This ADCY2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ADCY2. This ELISA kit for research use only!

Principle of the Assay: ADCY2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ADCY2 antibody and an ADCY2-HRP conjugate. The assay sample and buffer are incubated together with ADCY2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ADCY2 concentration since ADCY2 from samples and ADCY2-HRP conjugate compete for the anti-ADCY2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADCY2 from the sample, fewer sites are left to bind ADCY2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADCY2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387102
NCBI GeneID	108
NCBI Accession #	NP_065433.2
NCBI GenBank Nucleotide #	NM_020546.2
Molecular Weight	103,158 Da
NCBI Official Full Name	adenylate cyclase type 2
NCBI Official Synonym Full Names	adenylate cyclase 2 (brain)
NCBI Official Symbol	ADCY2
NCBI Official Synonym Symbols	AC2; HBAC2
NCBI Protein Information	adenylate cyclase type 2; adenylyl cyclase 2; adenylate cyclase II; ATP pyrophosphate-lyase 2; adenylate cyclase type II; type II adenylate cyclase; 3',5'-cyclic AMP synthetase
UniProt Protein Name	Adenylate cyclase type 2
UniProt Gene Name	ADCY2
UniProt Synonym Gene Names	KIAA1060
UniProt Entry Name	ADCY2_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/rat-elisa-kits/adenylate-cyclase-type-2-adcy2/246709>