

Rabbit Adenylate cyclase 1 Polyclonal Antibody | anti-Adcy1 antibody

Adenylate Cyclase 1 Antibody

CATALOG # AAA75678	HOST Rabbit	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Adenylate cyclase 1; Polyclonal Antibody; Adenylate Cyclase 1 Antibody; 3'5' cyclic AMP synthetase; ADCY1; adenyl cyclase; ATP pyrophosphate lyase; Brain adenylate cyclase 1; Ca(2+)/calmodulin activated adenyl cyclase; EC 4.6.1.1 antibody; anti-Adcy1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Form/Format	Affinity Purified Immunoglobulins
Concentration	0.72 mg/ml (varies by lot)
Sequence Length	952
Applicable Applications for anti-Adcy1 antibody	WB (Western Blot), ELISA
Immunogen	Synthetic peptide taken with amino acids region 1030-1060 on rat/mouse Adeyl cyclase 1 protein.
Immunoglobulin	IgG in antibody stabilization buffer.
Molecular Function	ATP-binding, Calmodulin-binding, Magnesium, Metal-binding, Nucleotide-binding
Structure	Belongs to the adenyl cyclase class-4/guanylyl cyclase family. Contains 2 guanylate cyclase domains
Subcellular Location	Membrane; Multi-pass membrane protein. Cytoplasm
Species Cross Reactivity	Mouse, Rabbit, Rat
Preparation and Storage	Store at -20°C for long term storage.

IMAGES



WB (Western Blot)

WB of AAA75678 with 1:500 antibody dilution in DiluObuffer.

ADDITIONAL INFORMATION

Related Product Information for anti-Adcy1 antibody	This is a calmodulin-sensitive adenylyl cyclase. May be involved in regulatory processes in the central nervous system. It may play a role in memory acquisition and learning. Plays a role in the regulation of the circadian rhythm of daytime contrast sensitivity probably by modulating the rhythmic synthesis of cyclic AMP in the retina
Product Categories/Family for anti-Adcy1 antibody	Primary Antibodies; Signal Transduction; G-Protein Coupled Receptors; Adenylate cyclase 1 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	3406745
NCBI GeneID	432530
UniProt Accession #	O88444; Q5SS89
NCBI Official Full Name	adenylyl cyclase type I, partial
NCBI Official Synonym Full Names	adenylate cyclase 1
NCBI Official Symbol	Adcy1
NCBI Official Synonym Symbols	AC1; brl; I-AC; mKIAA4070; D11Bwg1392e
NCBI Protein Information	adenylate cyclase type 1
UniProt Protein Name	Adenylate cyclase type 1
UniProt Gene Name	Adcy1
UniProt Entry Name	ADCY1_MOUSE

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/polyclonal/adenylate-cyclase-1-antibody-western-blot-elisa/75678>