

Anti-ADCY1 / Adenylate Cyclase 1 Antibody (aa230-280)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18137

Product Information

Application	WB, IHC-P
Primary Accession	Q08828
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	123440

Additional Information

Gene ID	107
Alias Symbol	ADCY1
Other Names	ADCY1, 3, 5-cyclic AMP synthetase, Adenylate cyclase type I, AC1, Adenylate cyclase type 1, Adenylyl cyclase 1, ATP pyrophosphate-lyase 1, Adenyl cyclase, Adenylate cyclase 1 (brain), Adenylate cyclase, type i, ATP pyrophosphate-lyase
Target/Specificity	Human ADCY1
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-ADCY1 / Adenylate Cyclase 1 Antibody (aa230-280) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADCY1
Function	Catalyzes the formation of the signaling molecule cAMP in response to G protein signaling. Mediates responses to increased cellular Ca(2+)/calmodulin levels (By similarity). May be involved in regulatory processes in the central nervous system. May play a role in memory 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 (By similarity).
Cellular Location	Membrane {ECO:0000250 UniProtKB:P19754}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P19754}. Cell membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250 UniProtKB:O88444}. Membrane raft {ECO:0000250 UniProtKB:P19754}. Note=Expressed in the cytoplasm of supporting cells and hair cells of the cochlea vestibule, as well as to the cochlear hair cell nuclei and stereocilia {ECO:0000250 UniProtKB:O88444}

Tissue Location

Detected in zona glomerulosa and zona fasciculata in the adrenal gland (at protein level) (PubMed:11549699). Brain, retina and adrenal medulla.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.