

Anti-ADCY1 / Adenylate Cyclase 1 Antibody (aa230-280)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18137**Specification**

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

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

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

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

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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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