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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 Cytomety
- Cell Culture

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