

# Product datasheet

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# ARG66526 anti-ADCY1 antibody

Package: 100 μg Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes ADCY1

Tested Reactivity Hu

Predict Reactivity Ms

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name ADCY1
Species Human

Immunogen Synthetic peptide within aa. 200-280 of Human ADCY1.

Conjugation Un-conjugated

Alternate Names Adenylate cyclase type I; Ca; AC1; DFNB44; ATP pyrophosphate-lyase 1; EC 4.6.1.1; Adenylyl cyclase 1;

Adenylate cyclase type 1; 2+

### **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	130 kDa	

#### **Properties**

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol and 0.5% BSA

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol ADCY1

Gene Full Name adenylate cyclase 1 (brain)

Background This gene encodes a member of the of adenylate cyclase gene family that is primarily expressed in the

brain. This protein is regulated by calcium/calmodulin concentration and may be involved in brain development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Function 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 (By similarity). [UniProt]

Calculated Mw 123 kDa

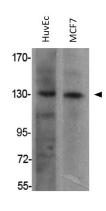
PTM N-glycosylated. [UniProt]

Cellular Localization Membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasm.

Membrane raft. Note=Expressed in the cytoplasm of supporting cells and hair cells of the cochlea

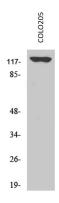
vestibule, as well as to the cochlear hair cell nuclei and stereocilia. [UniProt]

#### **Images**



#### ARG66526 anti-ADCY1 antibody WB image

Western blot: HuvEc and MCF7 cell lysates stained with ARG66526 anti-ADCY1 antibody.



#### ARG66526 anti-ADCY1 antibody WB image

Western blot: COLO205 cell lysate stained with ARG66526 anti-ADCY1 antibody.