

## ARG10774 anti-ADCY1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ADCY1
Tested Reactivity	Ms, Rat, Rb
Tested Application	ELISA, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ADCY1
Species	Mouse
Immunogen	Synthetic peptide around the C-terminus of Mouse Adenylate cyclase 1.
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
	ELISA	1:10000
	IP	1:200
	WB	1:500

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.5 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

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Database links [GeneID: 432530 Mouse](#)

[Swiss-port # O88444 Mouse](#)

Gene Symbol Adcy1

Gene Full Name adenylyl cyclase 1

Background This gene encodes a member of the of adenylyl 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.

## Images

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ARG10774 anti-Adenylyl cyclase 1 antibody WB image

Western blot: Recombinant Adenylyl cyclase 1 protein stained with ARG10774 anti-Adenylyl cyclase 1 antibody at 1:500 dilution.