

Datasheet for ABIN7143326  
**anti-ADCY1 antibody (AA 897-1136) (FITC)**



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## Overview

|                      |                                           |
|----------------------|-------------------------------------------|
| Quantity:            | 100 µL                                    |
| Target:              | ADCY1                                     |
| Binding Specificity: | AA 897-1136                               |
| Reactivity:          | Human                                     |
| Host:                | Rabbit                                    |
| Clonality:           | Polyclonal                                |
| Conjugate:           | This ADCY1 antibody is conjugated to FITC |
| Application:         | Please inquire                            |

## Product Details

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Adenylate cyclase type 10 protein (897-1136AA) |
| Isotype:          | IgG                                                              |
| Cross-Reactivity: | Human                                                            |
| Purification:     | Antigen Affinity Purified                                        |

## Target Details

|                   |                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | ADCY1                                                                                                                                                                  |
| Alternative Name: | ADCY1 ( <a href="#">ADCY1 Products</a> )                                                                                                                               |
| Background:       | Background: Catalyzes the formation of the signaling molecule cAMP (PubMed:12609998, PubMed:15659711, PubMed:24616449, PubMed:25040695, PubMed:24567411). May function |

## Target Details

as sensor that mediates responses to changes in cellular bicarbonate and CO<sub>2</sub> levels (PubMed:15659711, PubMed:17591988). Has a critical role in mammalian spermatogenesis by producing the cAMP which regulates cAMP-responsive nuclear factors indispensable for sperm maturation in the epididymis. Induces capacitation, the maturational process that sperm undergo prior to fertilization (By similarity). Involved in ciliary beat regulation (PubMed:17591988).

Aliases: ADCY10 antibody, SAC antibody, Adenylate cyclase type 10 antibody, EC 4.6.1.1 antibody, AH-related protein antibody, Adenylate cyclase homolog antibody, Germ cell soluble adenylyl cyclase antibody, hsAC antibody, sAC antibody, Testicular soluble adenylyl cyclase antibody

UniProt: [Q96PN6](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.