

Datasheet for ABIN7143325
anti-ADCY1 antibody (AA 897-1136) (Biotin)



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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 Biotin
Application:	ELISA

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 (ADCY1 Products)
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 CO₂ 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

Application Notes:	Optimal working dilution should be determined by the investigator.
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.