Datasheet for ABIN7143321

anti-ADCY1 antibody (AA 416-610) (Biotin)

Go to Product page

Overview

Quantity:	100 µg
Target:	ADCY1
Binding Specificity:	AA 416-610
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCY1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Adenylate cyclase type 1 protein (416-610AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ADCY1
Alternative Name:	ADCY1 (ADCY1 Products)
Background:	Background: 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).

Target Details

	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). Aliases: Adenylate cyclase 1, fetal brain, type I antibody, 3',5'-cyclic AMP synthetase antibody, AC1 antibody, Adcy1 antibody, ADCY1_HUMAN antibody, adenyl cyclase antibody, Adenylate cyclase 1 antibody, adenylate cyclase 1 (brain) antibody, Adenylate cyclase type 1 antibody, Adenylate cyclase type I antibody, Adenylyl cyclase 1 antibody, ATP pyrophosphate lyase antibody, ATP pyrophosphate-lyase 1 antibody, Brain adenylate cyclase 1 antibody, Ca(2+)/calmodulin-activated adenylyl cyclase antibody, deafness, autosomal recessive 44 antibody, DFNB44 antibody
UniProt:	Q08828
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.