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Datasheet for ABIN881492

# anti-ADCY1 antibody (AA 795-845) (AbBy Fluor® 350)

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Quantity:	100 μL	
Target:	ADCY1	
Binding Specificity:	AA 795-845	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ADCY1 antibody is conjugated to AbBy Fluor® 350	
Application:	Western Blotting (WB)	

### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human Adenylyl cyclase	
Isotype:	IgG	
Cross-Reactivity:	Human, Rat	
Predicted Reactivity:	Mouse	
Purification:	Purified by Protein A.	

## Target Details

Target:	ADCY1	
Alternative Name:	Adcy1 (ADCY1 Products)	
Background: Synonyms: AC1, DFNB44, Adenylate cyclase type 1, ATP pyrophosphate-lyase 1, Ade		

#### **Target Details**

cyclase type I, Adenylyl cyclase 1, Ca(2+)/calmodulin-activated adenylyl cyclase, ADCY1

Background: 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).

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Q08828

Pathways:

Gene ID:

UniProt:

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: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months