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Datasheet for ABIN881512

## anti-ADCY4 antibody (AA 851-1077) (AbBy Fluor® 350)



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Quantity:	100 μL	
Target:	ADCY4	
Binding Specificity:	AA 851-1077	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ADCY4 antibody is conjugated to AbBy Fluor® 350	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human ADCY4	
Isotype:	IgG	
Cross-Reactivity:	Human	
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit	
Purification:	Purified by Protein A.	

#### **Target Details**

Target:	ADCY4	
Alternative Name:	ADCY4 (ADCY4 Products)	

### **Target Details**

Expiry Date:

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Background:	Synonyms: AC4, Adenylate cyclase 4, adenylate cyclase type 4, Adenylate cyclase type IV, Adenylyl cyclase, ATP pyrophosphate lyase 4, ATP pyrophosphate lyase, ADCY4_HUMAN.
	Background: The ADCY4 gene encodes a member of the family of adenylate cyclases, which
	are membrane-associated enzymes that catalyze the formation of the secondary messenger
	cyclic adenosine monophosphate (cAMP). Mouse studies show that adenylate cyclase 4, along
	with adenylate cyclases 2 and 3, is expressed in olfactory cilia, suggesting that several different
	adenylate cyclases may couple to olfactory receptors and that there may be multiple receptor-
	mediated mechanisms for the generation of cAMP signals. Alternative splicing results in
	transcript variants.
Gene ID:	196883
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:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 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:	ProClin
Precaution of Use:	This product contains ProClin: 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.

12 months