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Datasheet for ABIN653832
anti-ADCY4 antibody (AA 415-441)

2 Images

Overview

Quantity:	400 µL
Target:	ADCY4
Binding Specificity:	AA 415-441
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCY4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This ADCY4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 415-441 amino acids from the Central region of human ADCY4.
Clone:	RB23657
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ADCY4
Alternative Name:	ADCY4 (ADCY4 Products)

Target Details

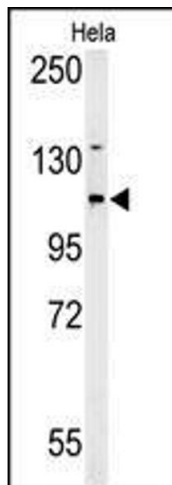
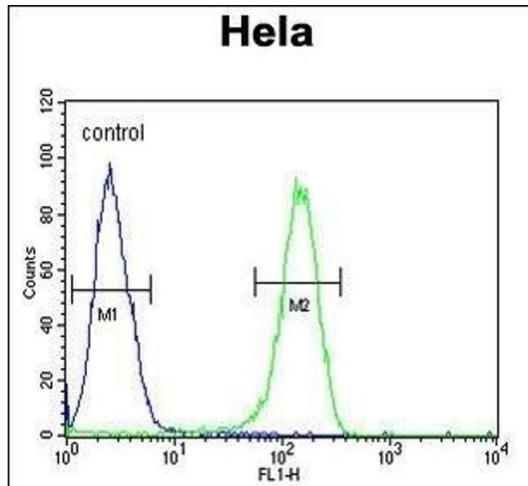
Background:	This gene encodes a member of the family of adenylate cyclases, which are membrane-associated enzymes that catalyze the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). Mouse studies show that adenylate cyclase 4, along with adenylate cyclases 2 and 3, is expressed 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.
Molecular Weight:	119794
Gene ID:	196883
NCBI Accession:	NP_001185497 , NP_001185521 , NP_640340
UniProt:	Q8NFM4
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:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. ADCY4 Antibody (Center) (ABIN653832 and ABIN2843098) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of ADCY4 Antibody (Center) (ABIN653832 and ABIN2843098) in HeLa cell line lysates (35 µg/lane). ADCY4 (arrow) was detected using the purified Pab.