

Rabbit ADCY4 Polyclonal Antibody | anti-ADCY4 antibody

ADCY4 Antibody (Center)

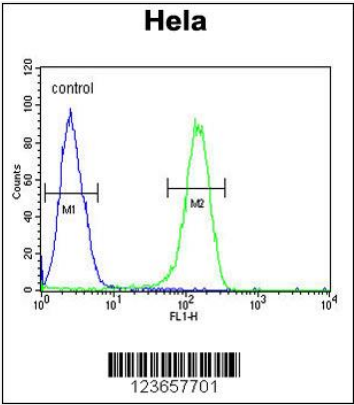
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287305	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

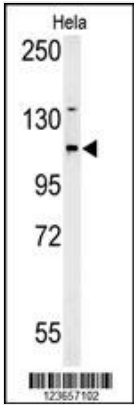
ADCY4; Polyclonal Antibody; ADCY4 Antibody (Center); Adenylate cyclase type 4; ATP pyrophosphate-lyase 4; Adenylate cyclase type IV; Adenylyl cyclase 4; anti-ADCY4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	415-441
Sequence Length	419
Applicable Applications for anti-ADCY4 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
ADCY4 Antibody (Center) 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.



WB (Western Blot)
Western blot analysis of ADCY4 Antibody (Center) in Hela cell line lysates (35ug/lane). ADCY4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ADCY4 antibody	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.
Product Categories/Family for anti-ADCY4 antibody	Cancer; Metabolism; Signal Transduction
References	Rhim, J.H., et al. Aging Cell 5(6):451-461(2006) Jiang, G., et al. Am. J. Physiol. Endocrinol. Metab. 284 (4), E671-E678 (2003) Sunahara, R.K., et al. Mol. Interv. 2(3):168-184(2002) Ludwig, M.G., et al. J. Recept. Signal Transduct. Res. 22 (1-4), 79-110 (2002) Cote, M., et al. J. Clin. Endocrinol. Metab. 86(9):4495-4503(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	310832386
NCBI GeneID	196883
NCBI Accession #	NP_001185497.1; NP_001185521.1; NP_640340.2
NCBI GenBank Nucleotide #	NM_001198568.1
UniProt Accession #	Q8NFM4; Q17R40; Q6ZTM6; Q96ML7; B3KV74; D3DS75
Molecular Weight	119794
NCBI Official Full Name	adenylate cyclase type 4
NCBI Official Synonym Full Names	adenylate cyclase 4
NCBI Official Symbol	ADCY4
NCBI Official Synonym Symbols	AC4
NCBI Protein Information	adenylate cyclase type 4
UniProt Protein Name	Adenylate cyclase type 4
UniProt Gene Name	ADCY4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adcy4-antibody-flow-cytometry-western-blot-elisa/287305>