

Rabbit ADCY2 Polyclonal Antibody | anti-ADCY2 antibody

ADCY2 Antibody (Center)

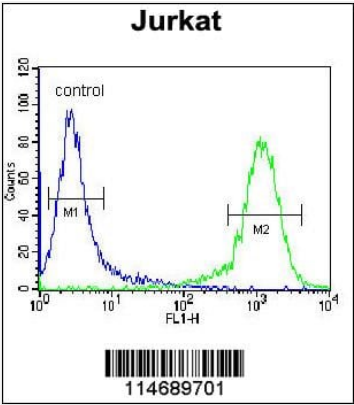
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284474	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

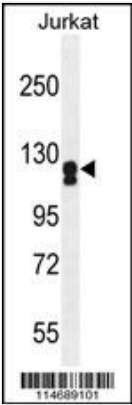
ADCY2; Polyclonal Antibody; ADCY2 Antibody (Center); Adenylate cyclase type 2; ATP pyrophosphate-lyase 2; Adenylate cyclase type II; Adenylyl cyclase 2; KIAA1060; anti-ADCY2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ADCY2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 451-481 amino acids from the Central region of human ADCY2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	451-481
Sequence Length	911
Applicable Applications for anti-ADCY2 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)
ADCY2 Antibody (Center) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
ADCY2 Antibody (Center) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the ADCY2 antibody detected the ADCY2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ADCY2 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). This enzyme is insensitive to Ca(2+)/calmodulin, and is stimulated by the G protein beta and gamma subunit complex.
Product Categories/Family for anti-ADCY2 antibody	Cancer; Signal Transduction
References	Halls, M.L., et al. EMBO J. 29(16):2772-2787(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Need, A.C., et al. Eur. J. Hum. Genet. 17(7):946-957(2009) Uhl, G.R., et al. Arch. Gen. Psychiatry 65(6):683-693(2008) Sunahara, R.K., et al. Mol. Interv. 2(3):168-184(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387102
NCBI GeneID	108
NCBI Accession #	NP_065433.2
NCBI GenBank Nucleotide #	NM_020546.2
UniProt Accession #	Q08462; Q2NKL8; Q9UDB2; Q9UPU2; B7Z2C1
Molecular Weight	123603
NCBI Official Full Name	adenylate cyclase type 2
NCBI Official Synonym Full Names	adenylate cyclase 2 (brain)
NCBI Official Symbol	ADCY2
NCBI Official Synonym Symbols	AC2; HBAC2
NCBI Protein Information	adenylate cyclase type 2
UniProt Protein Name	Adenylate cyclase type 2
UniProt Gene Name	ADCY2

UniProt Synonym Gene Names	KIAA1060
UniProt Entry Name	ADCY2_HUMAN

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/adc2-antibody-flow-cytometry-western-blot-elisa/284474>