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ADCY2 Rabbit pAb

Catalog # AP97905

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q08462
Other Accession	Q08462
Reactivity	Rat, Mouse
Predicted	Pig, Human, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	123603
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ADCY2
Epitope Specificity	901-1091/1091
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 2 guanylate cyclase domains.
SUBUNIT	Interacts with RAF1.
Post-translational modifications	Phosphorylated by RAF1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ADCY2 is a membrane-bound, calmodulin-insensitive adenylyl cyclase.

Additional Information

Gene ID	108
Other Names	AC2; HBAC2; mKIAA1060; ADCY2_HUMAN; ADCY2; ATP pyrophosphate-lyase 2; Adenylate cyclase type II; Adenylyl cyclase 2; 4.6.1.1; KIAA1060; ADCY2_MOUSE; ADCY2_RAT; Adenylyl cyclase 2 (AC2); adenylate cyclase 2; adenylate cyclase 2 (brain)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

ADCY2

Name	
Synonyms	KIAA1060
Function	Catalyzes the formation of the signaling molecule cAMP in response to G protein signaling (PubMed:15385642). Down-stream signaling cascades mediate changes in gene expression patterns and lead to increased IL6 production. Functions in signaling cascades downstream of the muscarinic acetylcholine receptors (By similarity).
Cellular Location	Membrane; Multi- pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasm
Tissue Location	Detected in zona glomerulosa and zona fasciculata in the adrenal gland (at protein level) (PubMed:11549699). Expressed in brain, especially in caudate nucleus, cerebellum and hippocampus

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.