

Product Name: A Cyclase VII Rabbit Polyclonal Antibody
Catalog #: APRab06357



Summary

Production Name	A Cyclase VII Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ADCY7
Alternative Names	ADCY7; KIAA0037; Adenylate cyclase type 7; ATP pyrophosphate-lyase 7; Adenylate cyclase type VII; Adenylyl cyclase 7
Gene ID	113.0
SwissProt ID	P51828.The antiserum was produced against synthesized peptide derived from human ADCY7. AA range:191-240

Application

Dilution Ratio	IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:5000.Not yet tested in other applications.
Molecular Weight	

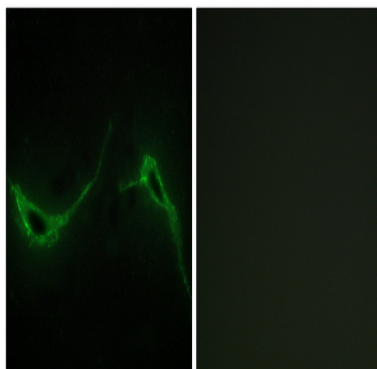
Background

This gene encodes a membrane-bound adenylate cyclase that catalyses the formation of cyclic AMP from ATP and is inhibitable by calcium. The product of this gene is a member of the adenylyl cyclase class-4/guanylyl cyclase enzyme family that is characterized by the presence of twelve membrane-spanning domains in its sequences. Several transcript variants have been observed for this gene, but the full-length natures of only two have been determined so far. [provided by RefSeq, Oct 2013], catalytic activity: ATP = 3',5'-cyclic AMP + diphosphate., cofactor: Binds 2 magnesium ions per subunit., function: This is a membrane-bound, calcium-inhibitable adenylyl cyclase., similarity: Belongs to the adenylyl cyclase class-4/guanylyl cyclase family., similarity: Contains 2 guanylate cyclase domains.,

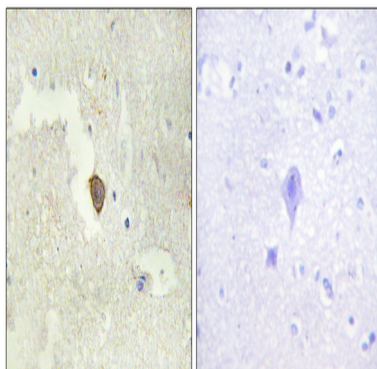
Research Area

Purine metabolism; Calcium; Chemokine; Oocyte meiosis; Vascular smooth muscle contraction; Gap junction; GnRH; Progesterone-mediated oocyte maturation; Melanogenesis; Dilated cardiomyopathy;

Image Data



Immunofluorescence analysis of NIH/3T3 cells, using ADCY7 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADCY7 Antibody. The picture on the right is blocked with the synthesized peptide.

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Note

For research use only.