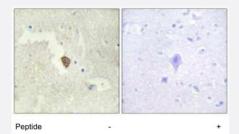


ADCY7 polyclonal antibody

Catalog # PAB18056 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using ADCY7 polyclonal antibody (Cat # PAB18056).

Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using ADCY7 polyclonal antibody (Cat # PAB18056).

Peptide "+" means "with peptide blocking".

Specification	
Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADCY7.
Immunogen	A synthetic peptide corresponding to human ADCY7.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to ADCY7.
Form	Liquid



Product Information

Recommend Usage	Immunohistochemistry (1:50~1:100) Immunofluorescence (1:500~1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using ADCY7 polyclonal antibody (Cat # PAB18056). Peptide "+" means "with peptide blocking".

- Immunohistochemistry
- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using ADCY7 polyclonal antibody (Cat # PAB18056). Peptide "+" means "with peptide blocking".

Enzyme-linked Immunoabsorbent Assay

Gene Info — ADCY7	
Entrez GeneID	<u>113</u>
Protein Accession#	<u>P51828</u>
Gene Name	ADCY7
Gene Alias	AC7, FLJ36387, KIAA0037
Gene Description	adenylate cyclase 7
Omim ID	<u>600385</u>
Gene Ontology	Hyperlink



Product Information

Gene Summary

This gene encodes a membrane-bound adenylate cyclase that catalyses the formation of cyclic A MP 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 me mbrane-spanning domains in its sequences. [provided by RefSeq

Other Designations

ATP pyrophosphate-lyase|OTTHUMP00000164225|adenylyl cyclase

Publication Reference

 The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC).

Gerhard DS, Wagner L, Feingold EA, Shenmen CM, Grouse LH, Schuler G, Klein SL, Old S, Rasooly R, Good P, Guyer M, Peck AM, Derge JG, Lipman D, Collins FS, Jang W, Sherry S, Feolo M, Misquitta L, Lee E, Rotmistrovsky K, Greenhut SF, Schaefer CF, Buetow K, Bonner TI, Haussler D, Kent J, Kiekhaus M, Furey T, Brent M, Prange C, Schreiber K, Shapiro N, Bhat NK, Hopkins RF, Hsie F, Driscoll T, Soares MB, Casavant TL, Scheetz TE, Brown-stein MJ, Usdin TB, Toshiyuki S, Carninci P, Piao Y, Dudekula DB, K

Genome Research 2004 Oct; 14(10B):2121.

Prediction of the coding sequences of unidentified human genes. I. The coding sequences of 40 new genes
 (KIAA0001-KIAA0040) deduced by analysis of randomly sampled cDNA clones from human immature myeloid
 cell line KG-1.

Nomura N, Miyajima N, Sazuka T, Tanaka A, Kawarabayasi Y, Sato S, Nagase T, Seki N, Ishikawa K, Tabata S. DNA Research 1994 Jan; 1(1):27.

Pathway

- Calcium signaling pathway
- Chemokine signaling pathway
- Gap junction
- GnRH signaling pathway
- Melanogenesis
- Purine metabolism
- Vascular smooth muscle contraction



Disease

- Asthma
- Disease Models
- Genetic Predisposition to Disease