ADCY7 polyclonal antibody (A01)

Catalog # H00000113-A01 Size 50 uL

Specification	
Product Description	Mouse polyclonal antibody raised against a partial recombinant ADCY7.
Immunogen	ADCY7 (NP_001105, 197 a.a. ~ 277 a.a) partial recombinant protein with GST tag.
Sequence	HKHQMQDASRDLFTYTVKCIQIRRKLRIEKRQQENLLLSVLPAHISMGMKLAIIERLKEHGDRRCMP DNNFHSLYVKRHQN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (91)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

• ELISA

Gene Info — ADCY7	
Entrez GenelD	<u>113</u>
GeneBank Accession#	<u>NM_001114</u>
Protein Accession#	<u>NP_001105</u>
Gene Name	ADCY7

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Product Information

Gene Alias	AC7, FLJ36387, KIAA0037
Gene Description	adenylate cyclase 7
Omim ID	<u>600385</u>
Gene Ontology	<u>Hyperlink</u>
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 c yclase 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

Distinct metabolism of cyclic adenosine monophosphate in regulatory and helper CD4(+) T cells.

Bazhin AV, Kahnert S, Kimpfler S, Schadendorf D, Umansky V.

Molecular Immunology 2009 Nov; 47(4):678.

Application: WB-Ce, Mouse, Mouse regulatory and conventional CD4+ T cells

Pathway

- <u>Calcium signaling pathway</u>
- <u>Chemokine signaling pathway</u>
- Gap junction
- GnRH signaling pathway
- <u>Melanogenesis</u>
- Purine metabolism
- <u>Vascular smooth muscle contraction</u>

Disease

- Asthma
- Disease Models



Product Information

Genetic Predisposition to Disease