

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	HKHQMQDASRDLFYTVKCIQIRRLRIEKRQQENLLSVLP AHISMGMKLAIIERLKEHGDRRCMP DNNFHSLYKRHQN
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 GeneID	113
GeneBank Accession#	NM_001114
Protein Accession#	NP_001105
Gene Name	ADCY7

Gene Alias	AC7, FLJ36387, KIAA0037
Gene Description	adenylate cyclase 7
Omim ID	600385
Gene Ontology	Hyperlink
Gene Summary	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. [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

- [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](#)