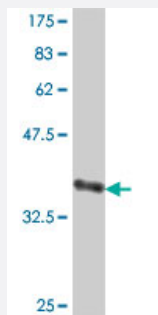


ADCY2 polyclonal antibody (A01)

Catalog # H00000108-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ADCY2.
Immunogen	ADCY2 (NP_065433, 977 a.a. ~ 1086 a.a) partial recombinant protein with GST tag.
Sequence	GKLDANKHSFNDFKLRVGINHGPVIAGVIGAQKPQYDIWGNTVNVASRMDSTGVLDKIQVTEETSL VLQTLGYTCTCRGIINVKGKGLKTYFVNTEMSRSLSQSNVAS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ADCY2

Entrez GeneID [108](#)

GeneBank Accession# [NM_020546](#)

Protein Accession# [NP_065433](#)

Gene Name ADCY2

Gene Alias AC2, FLJ16822, FLJ45092, HBAC2, KIAA1060, MGC133314

Gene Description adenylate cyclase 2 (brain)

Omim ID [103071](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the family of adenylate cyclases, which are membrane-associated enzymes that catalyze the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). This enzyme is insensitive to Ca(2+)/calmodulin, and is stimulated by the G protein beta and gamma subunit complex. [provided by RefSeq]

Other Designations 3',5'-cyclic AMP synthetase|ATP pyrophosphate-lyase|adenylate cyclase 2|adenylate cyclase III|adenyl cyclase 2|type II adenylate cyclase

Publication Reference

- [The role of mislocalized phototransduction in photoreceptor cell death of retinitis pigmentosa.](#)

Nakao T, Tsujikawa M, Notomi S, Ikeda Y, Nishida K.

PLoS One 2012 Apr; 7(4):e32472.

Application: IF, IHC, Fish, Fish tail

Pathway

- [Calcium signaling pathway](#)

- [Chemokine signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)
- [Melanogenesis](#)
- [Purine metabolism](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)