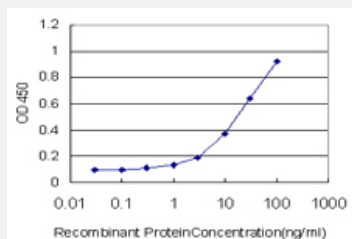


ADCY5 monoclonal antibody (M01), clone 3E6

Catalog # H000001111-M01

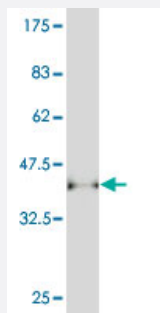
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADCY5 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ADCY5.
Immunogen	ADCY5 (NP_899200, 1152 a.a. ~ 1261 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ADFAMKLMDQMKYINEHSFNNFQMKIGLNIGPVVAGVIGARKPQYDIWGNTVNVASRMDSTGVDPD RIQVTTDMYQVLAANTYQLECRGVVKVKGKGEMMTYFLNGGPPLS
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (100)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADCY5 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ADCY5

Entrez GeneID	111
GeneBank Accession#	NM_183357
Protein Accession#	NP_899200
Gene Name	ADCY5
Gene Alias	AC5
Gene Description	adenylate cyclase 5
Omim ID	600293
Gene Ontology	Hyperlink
Gene Summary	ADCY5 belongs to the adenylate cyclase (EC 4.6.1.1) family of enzymes responsible for the synthesis of cAMP (Ludwig and Seuwen, 2002 [PubMed 12503609]).[supplied by OMIM]

Other Designations

adenylate cyclase, type V

Publication Reference

- [An adenylyl cyclase signaling pathway predicts direct dopaminergic input to vestibular hair cells.](#)

Drescher MJ, Cho WJ, Folbe AJ, Selvakumar D, Kewson DT, Abu-Hamdan MD, Oh CK, Ramakrishnan NA, Hatfield JS, Khan KM, Anne S, Harpool EC, Drescher DG.

Neuroscience 2010 Dec; 171(4):1054.

Application: IHC, Mouse, Rat, Epithelium

Pathway

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

Disease

- [Birth Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)