

ADCY2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11322c

Specification

ADCY2 Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q08462](#)

ADCY2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 108

Other Names

Adenylate cyclase type 2, ATP pyrophosphate-lyase 2, Adenylate cyclase type II, Adenylyl cyclase 2, ADCY2, KIAA1060

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ADCY2 Antibody (Center) Blocking peptide - Protein Information

Name ADCY2

Synonyms KIAA1060

Function

Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling (PubMed:15385642). Down-stream signaling cascades mediate changes in gene expression patterns and lead to increased IL6 production. Functions in signaling cascades downstream of the muscarinic acetylcholine receptors (By similarity).

Cellular Location

Membrane; Multi- pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasm

Tissue Location

Detected in zona glomerulosa and zona fasciculata in the adrenal gland (at protein level) (PubMed:11549699). Expressed in brain, especially in caudate nucleus, cerebellum and hippocampus

ADCY2 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ADCY2 Antibody (Center) Blocking peptide - Images

ADCY2 Antibody (Center) Blocking peptide - Background

This gene encodes a member of the family of adenylatecyclases, 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.

ADCY2 Antibody (Center) Blocking peptide - References

Halls, M.L., et al. EMBO J. 29(16):2772-2787(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Need, A.C., et al. Eur. J. Hum. Genet. 17(7):946-957(2009) Uhl, G.R., et al. Arch. Gen. Psychiatry 65(6):683-693(2008) Sunahara, R.K., et al. Mol. Interv. 2(3):168-184(2002)