

ADCY9 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17882b**Specification**

ADCY9 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O60503](#)**ADCY9 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 115**Other Names**

Adenylate cyclase type 9, ATP pyrophosphate-lyase 9, Adenylate cyclase type IX, Adenylyl cyclase 9, ADCY9, KIAA0520

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.

ADCY9 Antibody (C-term) Blocking Peptide - Protein Information**Name** ADCY9**Synonyms** KIAA0520**Function**

Adenylyl cyclase that catalyzes the formation of the signaling molecule cAMP in response to activation of G protein-coupled receptors (PubMed:9628827, PubMed:12972952, PubMed:15879435, PubMed:10987815). Contributes to signaling cascades activated by CRH (corticotropin-releasing factor), corticosteroids and beta-adrenergic receptors (PubMed:9628827).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in skeletal muscle, pancreas, lung, heart, kidney, liver, brain and placenta

(PubMed:9628827, PubMed:10987815) Expressed in multiple cells of the lung, with expression highest in airway smooth muscle (PubMed:12972952).

ADCY9 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ADCY9 Antibody (C-term) Blocking Peptide - Images

ADCY9 Antibody (C-term) Blocking Peptide - Background

Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. It is regulated by a family of G protein-coupled receptors, protein kinases, and calcium. The type 9 adenylyl cyclase is a widely distributed adenylyl cyclase, and it is stimulated by beta-adrenergic receptor activation but is insensitive to forskolin, calcium, and somatostatin.

ADCY9 Antibody (C-term) Blocking Peptide - References

Wojcik, C., et al. Am. J. Med. Genet. A 152A (2), 479-483 (2010) :Olsen, J.V., et al. Cell 127(3):635-648(2006) Tantisira, K.G., et al. Hum. Mol. Genet. 14(12):1671-1677(2005) Cumbay, M.G., et al. J. Pharmacol. Exp. Ther. 310(1):108-115(2004) Small, K.M., et al. Pharmacogenetics 13(9):535-541(2003)