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ADCY4 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13565a

Specification

ADCY4 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q8NFM4

ADCY4 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 196883

Other Names
Adenylate cyclase type 4, ATP pyrophosphate-lyase 4, Adenylate cyclase type IV, Adenylyl cyclase 4, ADCY4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13565a was selected from the N-term region of ADCY4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ADCY4 Antibody (N-term) Blocking peptide - Protein Information

Name ADCY4

Function
Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling.

Cellular Location
Cell membrane; Multi-pass membrane protein. Cytoplasm

Tissue Location
Detected in the zona glomerulosa and the zona fasciculata in the adrenal gland (at protein level)

ADCY4 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

ADCY4 Antibody (N-term) Blocking peptide - Images

ADCY4 Antibody (N-term) Blocking peptide - Background

This gene encodes a member of the family of adenylatecyclases, which are membrane-associated enzymes that catalyze theformation of the secondary messenger cyclic adenosine monophosphate(cAMP). Mouse studies show that adenylate cyclase 4, along withadenylate cyclases 2 and 3, is expressed in olfactory cilia,suggesting that several different adenylate cyclases may couple toolfactory receptors and that there may be multiplereceptor-mediated mechanisms for the generation of cAMP signals.Alternative splicing results in transcript variants. [provided byRefSeq].

ADCY4 Antibody (N-term) Blocking peptide - References

Rhim, J.H., et al. Aging Cell 5(6):451-461(2006)Sunahara, R.K., et al. Mol. Interv. 2(3):168-184(2002)Ludwig, M.G., et al. J. Recept. Signal Transduct. Res. 22 (1-4), 79-110 (2002) :Cote, M., et al. J. Clin. Endocrinol. Metab. 86(9):4495-4503(2001)Patrizio, M., et al. J. Neurochem. 77(2):399-407(2001)