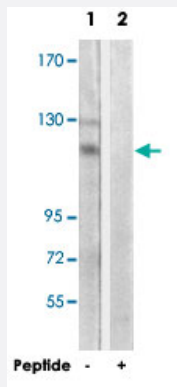


ADCY4 polyclonal antibody

Catalog # PAB17484 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using ADCY4 polyclonal antibody (Cat # PAB17484).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADCY4.
Immunogen	A synthetic peptide corresponding to internal of human ADCY4.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total ADCY4 protein.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4 (15 0mM NaCl, 0.02% sodium azide, 50% glycerol)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using ADCY4 polyclonal antibody (Cat # PAB17484).

Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ADCY4

Entrez GeneID[196883](#)**Protein Accession#**[Q8NFM4](#)**Gene Name**

ADCY4

Gene Alias

AC4

Gene Description

adenylate cyclase 4

Omim ID[600292](#)**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). Mouse studies show that adenylate cyclase 4, along with adenylate cyclases 2 and 3, is expressed in olfactory cilia, suggesting that several different adenylate cyclases may couple to olfactory receptors and that there may be multiple receptor-mediated mechanisms for the generation of cAMP signals. [provided by RefSeq]

Other Designations

adenylate cyclase type IV

Publication Reference

- [Adenylyl Cyclase 1 as a Major Isoform to Generate cAMP Signaling for ApoA-1-mediated Cholesterol Efflux Pathway.](#)

Tang W, Ma W, Ding H, Lin M, Xiang L, Lin G, Zhang Z.

Journal of Lipid Research 2018 Apr; 59(4):635.

Application: WB-Ce, Human, THP-1 macrophages-derived foam cells

Pathway

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

Disease

- [Kidney Failure](#)