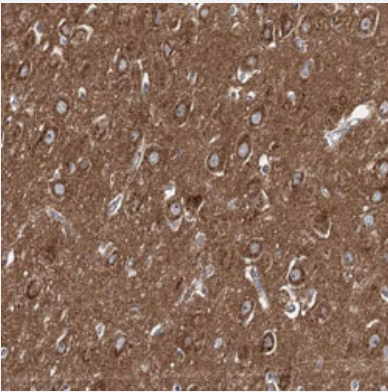


ADCY2 polyclonal antibody

Catalog # PAB31210 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus with ADCY2 polyclonal antibody (Cat # PAB31210) shows strong cytoplasmic positivity in neuronal cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human ADCY2.
Immunogen	Recombinant protein corresponding to human ADCY2.
Sequence	HHRDSMTTENGKISTTDVPMGQHNFQNRTRLRTKSQKKRFEEELNERMIQAIDGINAQKQWLKSEDI QRISLLFYNKVLEKEYRATA
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C for short term storage. For long term storage 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus with ADCY2 polyclonal antibody (Cat # PAB31210) shows strong cytoplasmic positivity in neuronal cells.

Gene Info — ADCY2

Entrez GeneID[108](#)**Protein Accession#**[Q08462](#)**Gene Name**

ADCY2

Gene Alias

AC2, FLJ16822, FLJ45092, HBAC2, KIAA1060, MGC133314

Gene Description

adenylate cyclase 2 (brain)

Omim ID[103071](#)**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). This enzyme is insensitive to Ca(2+)/calmodulin, and is stimulated by the G protein beta and gamma subunit complex. [provided by RefSeq]

Other Designations

3',5'-cyclic AMP synthetase|ATP pyrophosphate-lyase|adenylate cyclase 2|adenylate cyclase II|adenyl cyclase 2|type II adenylate cyclase

Pathway

- [Calcium signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Gap junction](#)

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

Disease

- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)