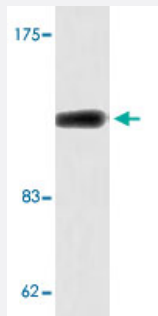


ADCY1 polyclonal antibody

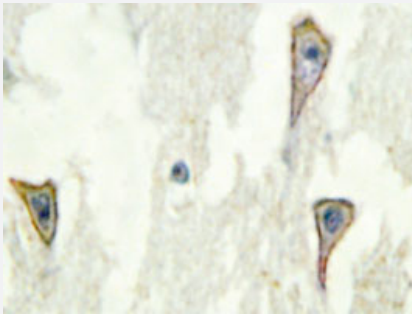
Catalog # PAB26901 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of COLO 205 cell lysate with ADCY1 polyclonal antibody (Cat # PAB26901).



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using ADCY1 polyclonal antibody (Cat # PAB26901).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADCY1.
Immunogen	A synthetic peptide corresponding to human ADCY1.
Host	Rabbit
Theoretical MW (kDa)	130
Reactivity	Human, Mouse
Specificity	ADCY1 polyclonal antibody detects endogenous levels of ADCY1 protein.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. 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

- Western Blot (Cell lysate)

Western blot analysis of COLO 205 cell lysate with ADCY1 polyclonal antibody (Cat # PAB26901).

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

Immunohistochemical analysis of paraffin-embedded human brain tissue using ADCY1 polyclonal antibody (Cat # PAB26901).

Gene Info — ADCY1

Entrez GeneID	107
Protein Accession#	Q08828
Gene Name	ADCY1
Gene Alias	AC1
Gene Description	adenylate cyclase 1 (brain)
Omim ID	103072
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a form of adenylate cyclase expressed in brain. A similar protein in mouse is involved in pattern formation of the brain. [provided by RefSeq]
Other Designations	3',5'-cyclic AMP synthetase ATP pyrophosphate-lyase adenyl cyclase adenylate cyclase type II brain adenylate cyclase 1

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](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Purine metabolism](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cognition](#)
- [NARP](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)