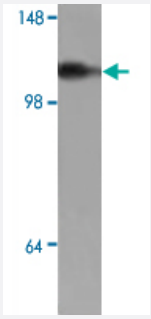
ADCY2 polyclonal antibody

Catalog # PAB19816 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human fetal brain tissue lysate with ADCY2 polyclonal antibody (Cat # PAB19816) at 1:250 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADCY2.
Immunogen	A synthetic peptide corresponding to 15 amino acids at N-terminus of human ADCY2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:160000) Western Blot (1:200-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

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|adenylyl 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