

# 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)<br>Western Blot (1:200-500)<br>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.<br>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)

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

• Enzyme-linked Immunoabsorbent Assay

# Gene Info — ADCY2

| Entrez GenelD      | <u>108</u>  |
|--------------------|---|
| Protein Accession# | <u>Q08462</u>   |
| Gene Name          | ADCY2   |
| Gene Alias         | AC2, FLJ16822, FLJ45092, HBAC2, KIAA1060, MGC133314   |
| Gene Description   | adenylate cyclase 2 (brain)   |
| Omim ID            | <u>103071</u>   |
| Gene Ontology      | <u>Hyperlink</u>  |
| Gene Summary       | This gene encodes a member of the family of adenylate cyclases, which are membrane-associat ed enzymes that catalyze the formation of the secondary messenger cyclic adenosine monophos phate (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 ad<br>enylyl cyclase 2 type II adenylate cyclase   |

## Pathway

- Calcium signaling pathway
- <u>Chemokine signaling pathway</u>
- Gap junction
- GnRH signaling pathway
- Melanogenesis
- Purine metabolism



<u>Vascular smooth muscle contraction</u>

#### Disease

- Cognition
- Genetic Predisposition to Disease
- Kidney Failure
- Schizophrenia
- <u>Schizophrenic Psychology</u>
- Tobacco Use Disorder
- Weight Gain