

产品名称: A Cyclase V/VI Rabbit Polyclonal Antibody  
产品货号: AP Rab06355



## 产品概述 (Summary)

|                        |                                           |
|------------------------|-------------------------------------------|
| 产品名称 (Production Name) | A Cyclase V/VI Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                |
| 宿主 (Host)              | Rabbit                                    |
| 应用 (Application)       | IHC, ICC, IF, ELISA                       |
| 种属反应性 (Reactivity)     | Human, Mouse, Rat                         |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | ADCY5/ADCY6                                                                                                                                                                                                                                     |
| 别名 (Alternative Names) | ADCY6; KIAA0422; Adenylate cyclase type 6; ATP pyrophosphate-lyase 6; Adenylate cyclase type VI; Adenylyl cyclase 6; Ca(2+)-inhibitable adenylyl cyclase; ADCY5; Adenylate cyclase type 5; ATP pyrophosphate-lyase 5; Adenylate cyclase type V; |
| 基因 ID (Gene ID)        | 112/111                                                                                                                                                                                                                                         |
| 蛋白 ID (SwissProt ID)   | O43306/O95622. The antiserum was produced against synthesized peptide derived from human ADCY5/6. AA range: 931-980                                                                                                                             |

## 产品应用 (Application)

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| 稀释比 (Dilution Ratio) | IHC 1:100-1:300, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000 |
|----------------------|-------------------------------------------------------------|

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#### 蛋白分子量 (Molecular Weight)

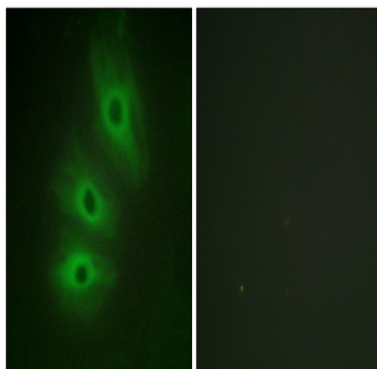
#### 研究背景 (Background)

This gene encodes a member of the adenylyl cyclase family of proteins, which are required for the synthesis of cyclic AMP. All members of this family have an intracellular N-terminus, a tandem repeat of six transmembrane domains separated by a cytoplasmic loop, and a C-terminal cytoplasmic domain. The two cytoplasmic regions bind ATP and form the catalytic core of the protein. Adenylyl cyclases are important effectors of transmembrane signaling pathways and are regulated by the activity of G protein coupled receptor signaling. This protein belongs to a small subclass of adenylyl cyclase proteins that are functionally related and are inhibited by protein kinase A, calcium ions and nitric oxide. A mutation in this gene is associated with arthrogryposis multiplex congenita. [provided by RefSeq, May 2015], catalytic activity: ATP = 3',5'-cyclic AMP + diphosphate., cofactor: Binds 2 magnesium ions per subunit., enzyme regulation: Inhibition by calcium in the submicromolar concentration range., function: Membrane-bound, calcium-inhibitable adenylyl cyclase., similarity: Belongs to the adenylyl cyclase class-4/guanylyl cyclase family., similarity: Contains 2 guanylate cyclase domains.,

#### 研究领域 (Research Area)

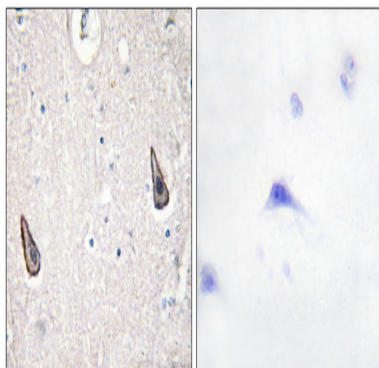
Purine metabolism; Chemokine; Oocyte meiosis; Vascular smooth muscle contraction; Gap junction; Taste transduction; GnRH; Progesterone-mediated oocyte maturation; Melanogenesis; Dilated cardiomyopathy;

#### 图片 (Image Data)



Immunofluorescence analysis of HeLa cells, using ADCY5/6 Antibody. The picture on the right is blocked with the synthesized peptide.

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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADCY5/6 Antibody. The picture on the right is blocked with the synthesized peptide.

#### **注意事项 (Note)**

For research use only .