

## Rabbit Adenylate Cyclase 5/6 Polyclonal Antibody | anti-ADCY5 antibody

Rabbit anti-Adenylate Cyclase 5/6 Antibody

| CATALOG # | HOST   | REACTIVITY                                        | APPLICATIONS                     |
|-----------|--------|---------------------------------------------------|----------------------------------|
| AAA223215 | Rabbit | Human, Mouse, Rat, Dog, Monkey, Rabbit, Zebrafish | Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

Adenylate Cyclase 5/6; Polyclonal Antibody; Rabbit anti-Adenylate Cyclase 5/6 Antibody; ADCY5; Adenylate cyclase type 5; ATP pyrophosphate-lyase 5; Adenylate cyclase type V; Adenylyl cyclase 5; ADCY6; KIAA0422; Adenylate cyclase type 6; ATP pyrophosphate-lyase 6; Adenylate cyclase type VI; Adenylyl cyclase 6; Ca(2+)-inhibitable adenylyl cyclase; anti-ADCY5 antibody

### PRODUCT SPECIFICATIONS

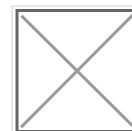
|                                                 |                                                                                                                                                      |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                               |
| Reactivity                                      | Human, Mouse, Rat, Dog, Monkey, Rabbit, Zebrafish                                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                                           |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                                                      |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                            |
| Concentration                                   | 1mg/mL (varies by lot)                                                                                                                               |
| Applicable Applications for anti-ADCY5 antibody | IC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                 |
| Immunogen                                       | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Adenylate Cyclase 5/6. The exact sequence is proprietary. |
| Preparation and Storage                         | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                            |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of Adenylate Cyclase 5/6 staining in Raw264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)



#### WB (Western Blot)

Western blot analysis of Adenylate Cyclase 5/6 expression in HeLa (A), Raw264.7 (B), PC12 (C), rat brain (D) whole cell lysates.

ADDITIONAL INFORMATION

|                                                   |                    |
|---------------------------------------------------|--------------------|
| Product Categories/Family for anti-ADCY5 antibody | Primary antibodies |
|---------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 314122162                                      |
| NCBI GeneID                      | 111                                            |
| NCBI Accession #                 | NP_001186571.1                                 |
| NCBI GenBank Nucleotide #        | NM_001199642.1                                 |
| UniProt Accession #              | O95622; O43306; P84309; Q01341; Q04400; Q03343 |
| Molecular Weight                 | 102,606 Da                                     |
| NCBI Official Full Name          | adenylate cyclase type 5 isoform 2             |
| NCBI Official Synonym Full Names | adenylate cyclase 5                            |
| NCBI Official Symbol             | ADCY5                                          |
| NCBI Official Synonym Symbols    | AC5; FDFM                                      |
| NCBI Protein Information         | adenylate cyclase type 5                       |
| UniProt Protein Name             | Adenylate cyclase type 5                       |
| UniProt Gene Name                | <b>ADCY5</b>                                   |
| UniProt Synonym Gene Names       | AC5                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.