

## Rabbit ADCY7 Polyclonal Antibody | anti-ADCY7 antibody

ADCY7 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA327727 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

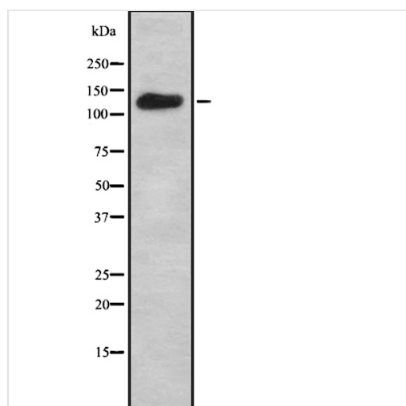
### PRODUCT SYNONYMS

ADCY7; Polyclonal Antibody; ADCY7 Antibody; adenylate cyclase 7; adenylyl cyclase; ATP pyrophosphate-lyase; KIAA0037; anti-ADCY7 antibody

### PRODUCT SPECIFICATIONS

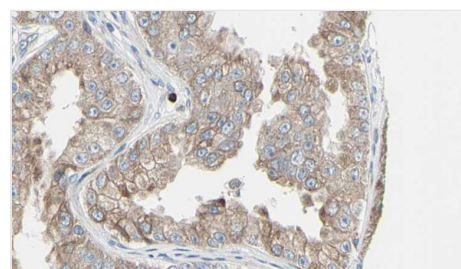
|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human, Mouse, Rat                                                                             |
| Clonality                                       | Polyclonal                                                                                    |
| Isotype                                         | IgG                                                                                           |
| Specificity                                     | ADCY7 antibody detects endogenous levels of total ADCY7                                       |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                 | 1080                                                                                          |
| Applicable Applications for anti-ADCY7 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                          |
| Immunogen                                       | A synthesized peptide derived from human ADCY7                                                |
| Subcellular Location                            | Integral Membrane Protein.                                                                    |
| Conjugation                                     | Unconjugated                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

### IMAGES



#### WB (Western Blot)

Western blot analysis of ADCY7 using Jurkat whole cell lysates



#### IHC (Immunohistochemistry)

AAA327727 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ADCY7 antibody | Function: This is a membrane-bound, calcium-inhibitable adenylyl cyclase.<br>Similarity: The protein contains two modules with six transmembrane helices each; both are required for catalytic activity. Isolated N-terminal or C-terminal guanylate cyclase domains have no catalytic activity, but when they are brought together, enzyme activity is restored. The active site is at the interface of the two domains. Both contribute substrate-binding residues, but the catalytic metal ions are bound exclusively via the N-terminal guanylate cyclase domain. Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 4557255                                 |
| NCBI GeneID                      | 113                                     |
| NCBI Accession #                 | NP_001105.1                             |
| NCBI GenBank Nucleotide #        | NM_001114.4                             |
| UniProt Accession #              | P51828; A0AVA6                          |
| Molecular Weight                 | Observed: 120 kDa<br>Predicted: 121 kDa |
| NCBI Official Full Name          | adenylate cyclase type 7 isoform 1      |
| NCBI Official Synonym Full Names | adenylate cyclase 7                     |
| NCBI Official Symbol             | ADCY7                                   |
| NCBI Official Synonym Symbols    | AC7                                     |
| NCBI Protein Information         | adenylate cyclase type 7                |
| UniProt Protein Name             | Adenylate cyclase type 7                |
| UniProt Gene Name                | ADCY7                                   |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/adc7-antibody-immunohistochemistry-western-blot-elisa/327727>