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Datasheet for ABIN881528

**anti-ADCY7 antibody (AA 901-1080) (Alexa Fluor 488)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | ADCY7 (Adcy7)  |
| Binding Specificity: | AA 901-1080  |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This ADCY7 antibody is conjugated to Alexa Fluor 488   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human ADCY7 |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Human, Mouse, Rat   |
| Predicted Reactivity: | Dog,Cow,Horse,Rabbit                                      |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | ADCY7 (Adcy7)                            |
| Alternative Name: | ADCY7 ( <a href="#">Adcy7 Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | <p>Synonyms: AC7, Adenylate cyclase type 7, ATP pyrophosphate-lyase 7, Adenylate cyclase type VII, Adenylyl cyclase 7, ADCY7, KIAA37</p> <p>Background: This gene encodes a membrane-bound adenylate cyclase that catalyses the formation of cyclic AMP from ATP and is inhibitable by calcium. The product of this gene is a member of the adenylyl cyclase class-4/guanylyl cyclase enzyme family that is characterized by the presence of twelve membrane-spanning domains in its sequences. [provided by RefSeq, Jul 2008].</p> |
| Gene ID:    | 113   |
| UniProt:    | <a href="#">P51828</a>  |
| Pathways:   | <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Thyroid Hormone Synthesis</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a>   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only   |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months  |