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Datasheet for ABIN655269 anti-ADCY2 antibody (AA 451-481)

2 Images



Overview

| Quantity: | 400 µL |
|----------------------|--|
| Target: | ADCY2 |
| Binding Specificity: | AA 451-481 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ADCY2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

Product Details

| Immunogen: | This ADCY2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 451-481 amino acids from the Central region of human ADCY2. |
|-----------------------|---|
| Clone: | RB14689 |
| lsotype: | Ig Fraction |
| Predicted Reactivity: | M, Rat |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

Target:

ADCY2

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| Target Details | |
|-------------------|---|
| Alternative Name: | ADCY2 (ADCY2 Products) |
| Background: | This gene encodes a member of the family of adenylate cyclases, which are membrane- associated enzymes that catalyze the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). This enzyme is insensitive to Ca(2+)/calmodulin, and is stimulated by the G protein beta and gamma subunit complex. |
| Molecular Weight: | 123603 |
| Gene ID: | 108 |
| NCBI Accession: | NP_065433 |
| UniProt: | Q08462 |
| Pathways: | EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, cAMP Metabolic Process, Myometrial Relaxation and Contraction, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma |

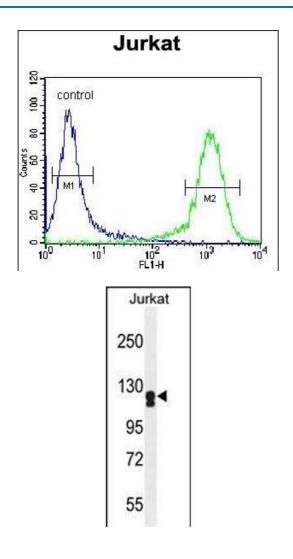
Application Details

| Application Notes: | WB: 1:1000. FC: 1:10~50 |
|--------------------|-------------------------|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |

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Flow Cytometry

Image 1. ADCY2 Antibody (Center) (ABIN655269 and ABIN2844861) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. ADCY2 Antibody (Center) (ABIN655269 and ABIN2844861) western blot analysis in Jurkat cell line lysates (35 µg/lane).This demonstrates the ADCY2 antibody detected the ADCY2 protein (arrow).

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