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Datasheet for ABIN1705822

**anti-RAPGEF6 antibody (AA 601-700) (Cy5.5)**

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | RAPGEF6   |
| Binding Specificity: | AA 601-700  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This RAPGEF6 antibody is conjugated to Cy5.5  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human RAGEF2 |
| Isotype:              | IgG  |
| Predicted Reactivity: | Human,Rabbit   |
| Purification:         | Purified by Protein A.                                     |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | RAPGEF6   |
| Alternative Name: | Ragef2 ( <a href="#">RAPGEF6 Products</a> )                                     |
| Background:       | Synonyms: DKFZp667N084, DKFZp686I15116, KIA001LB, PDZ domain containing guanine |

## Target Details

nucleotide exchange factor GEF 2, PDZ domain containing guanine nucleotide exchange factor 2, PDZ domain containing guanine nucleotide exchange factor I, PDZ domain-containing guanine nucleotide exchange factor 2, PDZ GEF 2, PDZ GEF2, PDZ-GEF2, PDZGEF 2, PDZGEF2, RA GEF 2, RA GEF2, RA-GEF-2, RAGEF 2, Rap guanine nucleotide exchange factor GEF 6, Rap guanine nucleotide exchange factor 2, Rap guanine nucleotide exchange factor 6, RAPGEF6, RPF6\_HUMAN.

Background: RAPGEF6 is a guanine nucleotide exchange factor (GEF) that is expressed in a variety of tissues. Localizing to the cytoplasm and translocated to the plasma membrane upon ligand binding, RAPGEF6 contains an N-terminal Ras-GEF domain, a cyclic nucleotide monophosphate-binding domain, a PDZ (PSD-95/DlgA/ZO-1) domain, a Ras-associating (RA) domain and a Ras exchanger motif. RAPGEF6 is closely related to RAPGEF2 and both proteins exhibit GEF activity specific towards Rap 1 and Rap 2. In addition, RAPGEF6 is capable of binding to M-Ras via its RA domain. Due to alternative splicing events, two additional isoforms exist for RAPGEF6, namely PDZ-GEF2A and PDZ-GEF2B.

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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