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Datasheet for ABIN1392120

**anti-RAPGEF2 antibody (AA 501-600) (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	RAPGEF2
Binding Specificity:	AA 501-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAPGEF2 antibody is conjugated to Alexa Fluor 647
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 RAPGEF2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Chicken, Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	RAPGEF2
Alternative Name:	RAPGEF2/PDZ-GEF1 ( <a href="#">RAPGEF2 Products</a> )
Background:	Synonyms: KIAA0313, Neural RAP guanine nucleotide exchange protein, nRap GEP, NRAPGEP,

## Target Details

PDZ domain containing guanine nucleotide exchange factor 1, PDZ domain-containing guanine nucleotide exchange factor 1, PDZ GEF1, PDZ-GEF1, PDZGEF1, RA GEF, RA-GEF, Rap guanine nucleotide exchange factor 2, Rapgef2, RPGF2\_HUMAN.

Background: PDZ-GEF1 is a 1,499 amino acid cell membrane protein that functions as a guanine nucleotide exchange factor for Rap 1A, Rap 1B and Rap 2B GTPases. Expressed at highest levels in brain, PDZ-GEF1 is found at low levels in placenta, heart, lung and kidney, and undergoes post-translational phosphorylation following DNA damage. PDZ-GEF1 interacts with MAGI-2 and contains one Ras-GEF domain, a Ras-associating domain, one PDZ (DHR) domain, a single N-terminal Ras-GEF domain and a cyclic nucleotide-binding domain. The gene encoding PDZ-GEF1 maps to human chromosome 4q32.1.

Pathways: [Neurotrophin Signaling Pathway](#)

## 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