



[Go to Product page](#)

Datasheet for ABIN1392121  
**anti-RAPGEF2 antibody (AA 501-600) (Biotin)**

### Overview

Quantity:	100 µL
Target:	RAPGEF2
Binding Specificity:	AA 501-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAPGEF2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### 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

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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, RPF2\_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

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

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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 for 12 months.

Expiry Date: 12 months