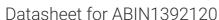
# antibodies .- online.com





# anti-RAPGEF2 antibody (AA 501-600) (AbBy Fluor® 647)



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Quantity:	100 μL
Target:	RAPGEF2
Binding Specificity:	AA 501-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAPGEF2 antibody is conjugated to AbBy 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 (RAPGEF2 Products)
Background:	Synonyms: KIAA0313, Neural RAP guanine nucleotide exchange protein, nRap GEP, NRAPGEP,

PDZ domain containing guanine nucleotide exchange factor 1, PDZ domain-containing guanine nucleotide exchange factor 1, PDZ GEF1, PDZ-GEF1, PDZ-GEF1, 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