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Datasheet for ABIN1387779

anti-RAPGEF2 antibody (AA 501-600)

Overview

Quantity:	100 µL
Target:	RAPGEF2
Binding Specificity:	AA 501-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAPGEF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

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)

Target Details

Background:	<p>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, PDZGEF1, RA GEF, RA-GEF, Rap guanine nucleotide exchange factor 2, Rapgef2, RPGF2_HUMAN.</p> <p>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.</p>
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Pathways:	Neurotrophin Signaling Pathway
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Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C, -20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months