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Datasheet for ABIN5003203

**anti-GARNL1 antibody (AA 631-730) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	GARNL1 (RALGAPA1)
Binding Specificity:	AA 631-730
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GARNL1 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GARNL1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Horse, Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	GARNL1 (RALGAPA1)
Alternative Name:	GARNL1 ( <a href="#">RALGAPA1 Products</a> )

## Target Details

Background:	<p>Synonyms: DKFZp566D133, DKFZp667F074, GAP related interacting partner to E12, GARN L1, GARNL 1, GRIPE, GTPase activating Rap/RanGAP domain like 1, KIAA0884, Tuberin like protein 1, TULIP 1. TULIP1, RGPA1_HUMAN.</p> <p>Background: GARNL1 is expressed during embryogenesis with E12. During development, GARNL1 expression decreases, persisting at high levels only in neurons of the adult brain. GARNL1 localizes to the cytoplasm where it may play a role regulating GTP hydrolysis of proteins such as Ran and Rap. GARNL1 is imported to the nucleus via dimerization with E12. GARNL1 interacts with the HLH region of E12 and may function to negatively regulate the transcription of E12-dependent downstream target genes. This suggests that at least a portion of the function of GARNL1 is dependent upon its association with E12. GARNL1 may also associate with other HLH proteins and influence a variety of HLH signaling cascades. In adult brain, GARNL1 activity does not involve E12 and therefore it may serve a different function in developed neural tissue.</p>
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Gene ID:	253959
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## 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