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Datasheet for ABIN1711696  
**anti-GARNL1 antibody (AA 631-730) (HRP)**

### 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 HRP                                                                              |
| Application:         | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

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|-----------------------|------------------------------------------------------------|
| 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

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| 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

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| Application Notes: | IHC-P 1:200-400<br>IHC-F 1:100-500 |
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| Restrictions: | For Research Use only |
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## Handling

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|         |        |
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| Format: | Liquid |
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|                |         |
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| Concentration: | 1 µg/µL |
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| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
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| Preservative: | ProClin |
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| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
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| Handling Advice: | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase. |
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| Storage: | -20 °C |
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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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## Handling

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Expiry Date: 12 months