

GARNL1 Rabbit pAb

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Catalog # AP55122

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6GYQ0
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	229832
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GARNL1
Epitope Specificity	631-730/2036
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic and Nuclear. Translocated to the nucleus when associated with TCF3/E12.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	253959
Other Names	Ral GTPase-activating protein subunit alpha-1, GAP-related-interacting partner to E12, GRIPE, GTPase-activating Rap/Ran-GAP domain-like 1, Tuberin-like protein 1, p240, RALGAP1, GARNL1, KIAA0884, TULIP1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

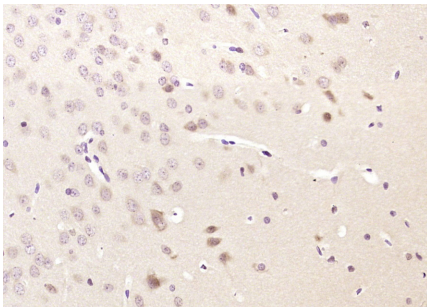
Protein Information

Name	RALGAPA1
Synonyms	GARNL1, KIAA0884, TULIP1
Function	Catalytic subunit of the heterodimeric RalGAP1 complex which acts as a GTPase activator for the Ras-like small GTPases RALA and RALB.
Cellular Location	Cytoplasm. Nucleus. Note=Translocated to the nucleus, when associated with TCF3/E12
Tissue Location	Widely expressed..

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GARNL1) Polyclonal Antibody, Unconjugated (AP55122) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.