

RPH3AL Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10741b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9UNE2
Other Accession	NP_008918.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24121
Calculated MW	34464
Antigen Region	208-237

Additional Information

Gene ID	9501
Other Names	Rab effector Noc2, No C2 domains protein, Rabphilin-3A-like protein, RPH3AL, NOC2
Target/Specificity	This RPH3AL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 208-237 amino acids from the C-terminal region of human RPH3AL.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RPH3AL Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RPH3AL
Synonyms	NOC2
Function	Rab GTPase effector involved in the late steps of regulated exocytosis, both

in endocrine and exocrine cells (By similarity). Acts as a potential RAB3B effector protein in epithelial cells.

Cellular Location

Cytoplasm. Cytoplasmic vesicle, secretory vesicle membrane. Note=Recruited to the vesicle membrane in a GTP- and RAB3B-dependent manner in epithelial cells

Tissue Location

Moderate to high levels of expression in thyroid, ovary, stomach, heart, pancreas, skeletal muscle, kidney and liver Also detected in epithelial cells.

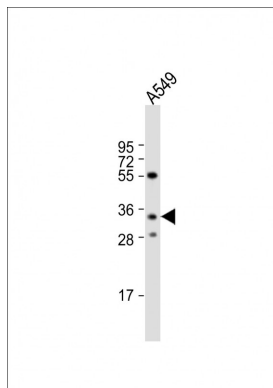
Background

The protein encoded by this gene plays a direct regulatory role in calcium-ion-dependent exocytosis in both endocrine and exocrine cells and plays a key role in insulin secretion by pancreatic cells. This gene is likely a tumor suppressor. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

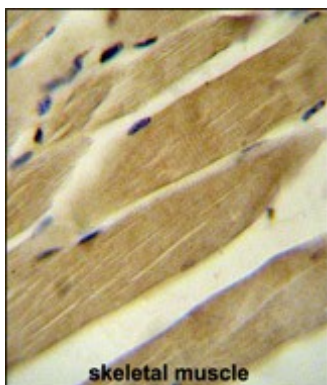
References

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Katkoori, V.R., et al. Front. Biosci. 13, 1050-1061 (2008) : Matsumoto, M., et al. Proc. Natl. Acad. Sci. U.S.A. 101(22):8313-8318(2004) Manabe, S., et al. Biochem. Biophys. Res. Commun. 316(1):218-225(2004)

Images



Anti-RPH3AL Antibody (C-term) at 1:1000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



RPH3AL Antibody (C-term) (Cat. #AP10741b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RPH3AL Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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