

RAB5B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18564c

Product Information

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|--------------------------|---|
| Application | WB, E |
| Primary Accession | P61020 |
| Other Accession | P61021 , Q5ZHW4 , NP_002859.1 |
| Reactivity | Human, Mouse |
| Predicted | Chicken |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB21814 |
| Calculated MW | 23707 |
| Antigen Region | 85-112 |

Additional Information

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|---------------------------|--|
| Gene ID | 5869 |
| Other Names | Ras-related protein Rab-5B, RAB5B |
| Target/Specificity | This RAB5B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-112 amino acids from the Central region of human RAB5B. |
| Dilution | 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 | RAB5B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|-----------------|--|
| Name | RAB5B (HGNC:9784) |
| Function | The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active |

GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed:[16086013](#), PubMed:[17562788](#)). Involved in early endocytic trafficking (PubMed:[16086013](#), PubMed:[17562788](#)). Required for EEA1 recruitment to early endosomes (PubMed:[16086013](#), PubMed:[17562788](#)). Required for EGF and transferrin endocytosis and trafficking through early endosomes (PubMed:[16086013](#), PubMed:[17562788](#)).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid-anchor. Melanosome. Note=Enriched in stage I melanosomes

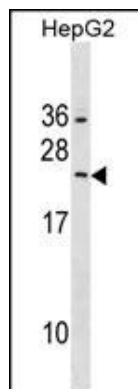
Background

Protein transport. Probably involved in vesicular traffic (By similarity).

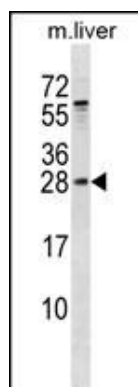
References

- Jin, Y., et al. Nat. Genet. 42(7):576-578(2010)
Chen, P.I., et al. J. Biol. Chem. 284(44):30328-30338(2009)
Shin, N., et al. Exp. Cell Res. 314(10):2055-2065(2008)
Hakonarson, H., et al. Diabetes 57(4):1143-1146(2008)
Hirota, Y., et al. Biochem. Biophys. Res. Commun. 364(1):40-47(2007)

Images



RAB5B Antibody (Center) (Cat. #AP18564c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the RAB5B antibody detected the RAB5B protein (arrow).



RAB5B Antibody (Center) (Cat. #AP18564c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the RAB5B antibody detected the RAB5B protein (arrow).

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