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# 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, Rat, Bovine, Canine, Rabbit |
| **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 |

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| | 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 |

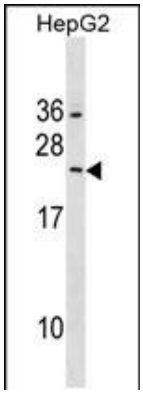
## Background

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

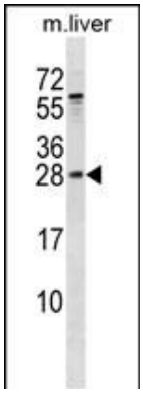
## References


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## 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'.