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# RAB5C Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8520b

## Product Information

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| **Application** | WB, FC, E |
| **Primary Accession** | P51148 |
| **Other Accession** | Q5R7L7 |
| **Reactivity** | Human, Mouse |
| **Host** | Mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2b,k |
| **Clone Names** | 1616CT314.65.31 |
| **Calculated MW** | 23483 |

## Additional Information

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| **Gene ID** | 5878 |
| **Other Names** | Ras-related protein Rab-5C, L1880, RAB5L, RAB5C, RABL |
| **Target/Specificity** | This RAB5C antibody is generated from a mouse immunized with a recombinant protein of human RAB5C. |
| **Dilution** | WB~~1:2000 FC~~1:25 E~~Use at an assay dependent concentration. |
| **Format** | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS. |
| **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** | RAB5C Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | RAB5C ( HGNC:9785) |
| **Synonyms** | RABL |
| **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 |

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| | downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. |
| **Cellular Location** | Cell membrane {ECO:0000250\|UniProtKB:P20339}; Lipid-anchor {ECO:0000250\|UniProtKB:P20339}; Cytoplasmic side {ECO:0000250\|UniProtKB:P20339}. Early endosome membrane {ECO:0000250\|UniProtKB:P20339}; Lipid-anchor {ECO:0000250\|UniProtKB:P20339}. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV |

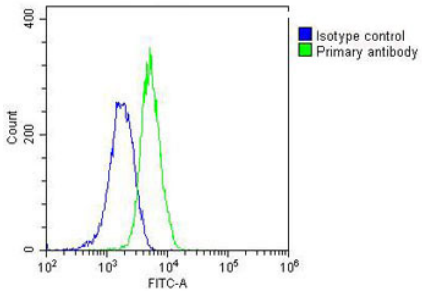
## Background

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

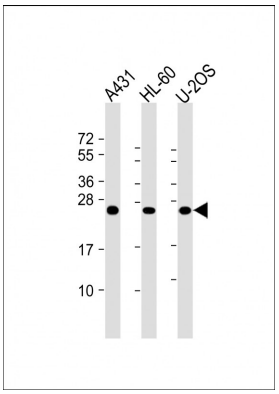
## References


Han H.J.,et al.Cytogenet. Cell Genet. 73:137-139(1996).
Albertsen H.M.,et al.Nat. Genet. 7:472-479(1994).
Clemens D.L.,et al.Infect. Immun. 68:2671-2684(2000).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).


## Images




Overlay histogram showing U-2OS cells stained with AM8520b(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AM8520b, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OJ192088) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG2b (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.




All lanes : Anti-RAB5C Antibody at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HL-60 whole cell lysate Lane 3: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.