

**RAB5C Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8520b****Specification**

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**RAB5C Antibody - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P51148</a>
Other Accession	<a href="#">Q5R7L7</a>
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b,k
Calculated MW	23483

**RAB5C Antibody - Additional Information****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.

**RAB5C Antibody - Protein Information****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 downstream effectors directly responsible for vesicle formation, movement, tethering and fusion.

#### Cellular Location

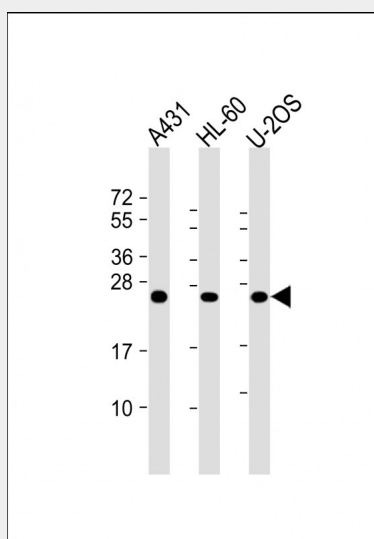
Cell membrane {ECO:0000250|UniProtKB:P20339}; Lipid-anchor {ECO:0000250|UniProtKB:P20339}; Cytoplasmic side {ECO:0000250|UniProtKB:P20339}. Early endosome membrane {ECO:0000250|UniProtKB:P20339}; Lipid-anchor {ECO:0000250|UniProtKB:P20339}. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

#### RAB5C Antibody - Protocols

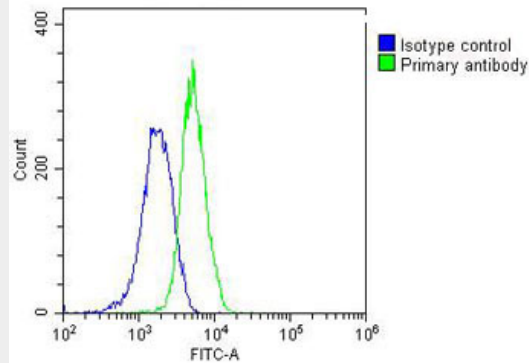
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### RAB5C Antibody - Images



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-20S 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.



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 incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AM8520b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OJ192088) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG2b (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

#### **RAB5C Antibody - Background**

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

#### **RAB5C Antibody - 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).