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Datasheet for ABIN6242583  
**anti-RAB1B antibody (AA 1-201)**

2 Images

Overview

Quantity:	200 µL
Target:	RAB1B
Binding Specificity:	AA 1-201
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RAB1B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This RAB1B antibody is generated from a mouse immunized with a recombinant protein between 1-201 amino acids from human RAB1B.
Clone:	1673CT667-16-73
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	RAB1B
Alternative Name:	RAB1B ( <a href="#">RAB1B Products</a> )
Background:	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the

## Target Details

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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 set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB1B regulates vesicular transport between the endoplasmic reticulum and successive Golgi compartments. Plays a role in the initial events of the autophagic vacuole development which take place at specialized regions of the endoplasmic reticulum.

Molecular Weight: 22171

UniProt: [Q9H0U4](#)

## Application Details

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Application Notes: WB: 1:4000. FC: 1:25

Restrictions: For Research Use only

## Handling

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Format: Liquid

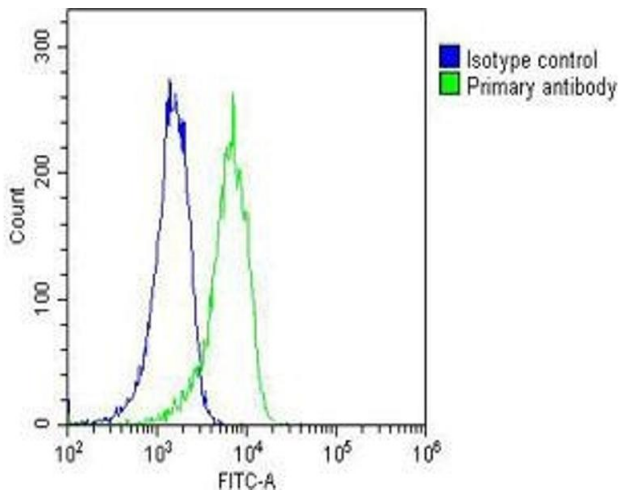
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

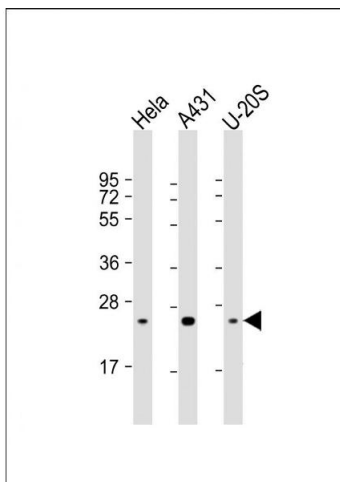
Storage: 4 °C, -20 °C

Expiry Date: 6 months



### Flow Cytometry

**Image 1.** Overlay histogram showing A431 cells stained with (ABIN6242583 and ABIN6577176)(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 ((ABIN6242583 and ABIN6577176), 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 IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Western Blotting

**Image 2.** All lanes : Anti-RAB1B Antibody at 1:4000 dilution  
 Lane 1: HeLa whole cell lysate Lane 2: A431 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 : 22 kDa  
 Blocking/Dilution buffer: 5 % NFDN/TBST.