BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-RAB1B Antibody

Catalog Number: M04589

About RAB1B

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 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.

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Overview

Product Name	Anti-RAB1B Antibody
Reactive Species	Human
Description	Boster Bio Anti-RAB1B Antibody (Catalog # M04589). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Monoclonal 1673CT667.16.73
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	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.
Host	Mouse
Uniprot ID	Q9H0U4

Technical Details

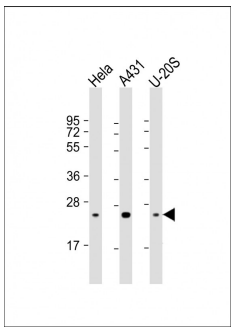
Immunogen	This RAB1B antibody is generated from a mouse immunized with a recombinant protein between 1-201 amino acids from human RAB1B.
Predicted Reactive Species	Chicken, Mouse
Isotype	IgG1,k

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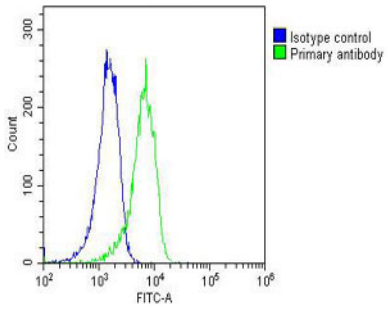
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:4000 FC: 1:25

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Anti-RAB1B Antibody (M04589) Images



All lanes : Anti-RAB1B Antibody at 1:4000 dilutionLane 1: Hela whole cell lysateLane 2: A431 whole cell lysateLane 3: U-20S whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing A431 cells stained with M04589(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 (M04589, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG1 (1ug/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-RAB1B Antibody

For Research Use Only. Not for use in diagnostic procedures.