BOSTER BIOLOGICAL TECHNOLOGY
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Anti-RAB11A Antibody

Catalog Number: M01436-1

About RAB11A

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. That Rab regulates endocytic recycling. Acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis. Together with MYO5B participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes. May also play a role in melanosome transport and release from melanocytes.

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Overview

Product Name	Anti-RAB11A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RAB11A Antibody (Catalog # M01436-1). Tested in WB, IHC-P application(s). This antibody reacts with Human, Mouse, Rat.
Application	IHC-P, WB
Clonality	Monoclonal 1565CT164.36.80
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	P62491

Technical Details

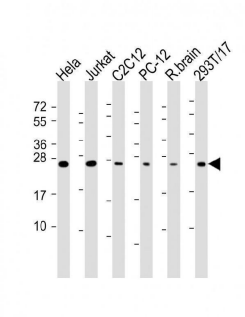
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antibody and ELISA experts

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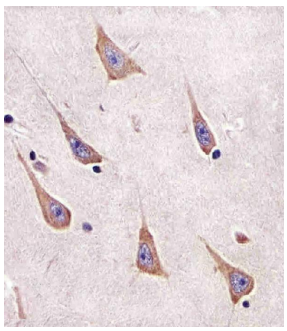
Immunogen	This RAB11A antibody is generated from a mouse immunized with a purified recombinant protein of human RAB11A.
Predicted Reactive Species	Human
Isotype	IgG1,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:4000 IHC-P: 1:25 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-RAB11A Antibody (M01436-1) Images



All lanes : Anti-RAB11A Antibody at 1:4000 dilutionLane 1: Hela whole cell lysateLane 2: Jurkat whole cell lysateLane 3: C2C12 whole cell lysateLane 4: PC-12 whole cell lysateLane 5: rat brain lysateLane 6: 293T/17 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M01436-1 staining RAB11A in human brain sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Anti-RAB11A Antibody

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