BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-RAB3A Antibody

Catalog Number: M03463

About RAB3A

Involved in exocytosis by regulating a late step in synaptic vesicle fusion. Could play a role in neurotransmitter release by regulating membrane flow in the nerve terminal.

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Overview

Product Name	Anti-RAB3A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RAB3A Antibody (Catalog # M03463). Tested in WB, Flow Cytometry, IF application(s). This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, WB
Clonality	Monoclonal 1531CT562.14.57
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	P20336

Technical Details

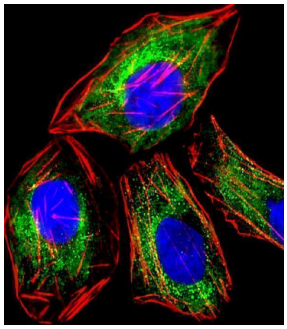
Immunogen	This RAB3A antibody is generated from a mouse immunized with a recombinant protein.
Predicted Reactive Species	Human
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	IF: 1:25 WB: 1:2000

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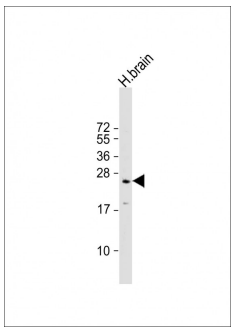
	FC: 1:25

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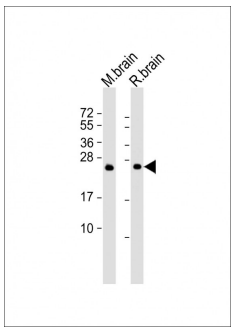
Anti-RAB3A Antibody (M03463) Images



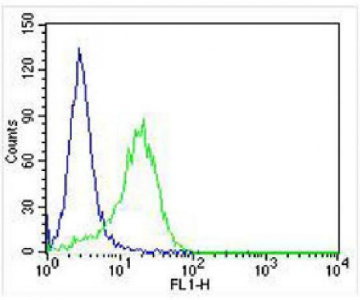
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized PC-12 (rat adrenal phaeochromocytoma cell line) cells labeling RAB3A with M03463 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on PC-12 cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin at 1/100 dilution (red).The nuclear counter stain is DAPI (blue).



Anti-RAB3A Antibody at 1:500 dilution + human brain lysateLysates/proteins at 20 ug per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-RAB3A Antibody at 1:2000 dilutionLane 1: mouse brain lysateLane 2: rat brain lysateLysates/proteins at 20 g per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing PC-12 cells stained with M03463 (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 (M03463, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

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