

## 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.

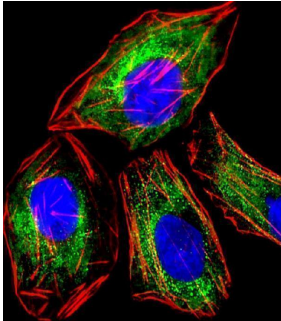
### Overview

|                      |  |
|----------------------|--|
| 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   |

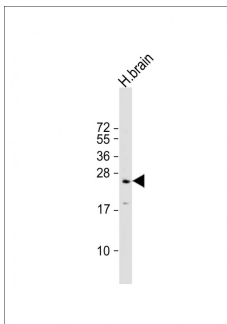
### Technical Details

|                            |   |
|----------------------------|---|
| 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<br>WB: 1:2000<br>FC: 1:25  |

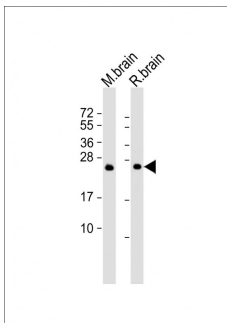
## Anti-RAB3A Antibody (M03463) Images



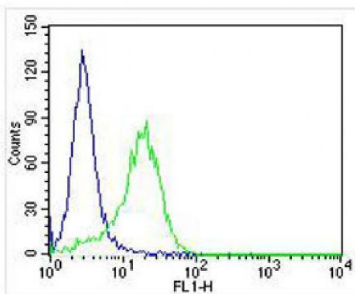
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized PC-12 (rat adrenal pheochromocytoma cell line) cells labeling RAB3A with M03463 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG secondary antibody at 1/200 dilution (green). Immunofluorescence 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 incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M03463, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG (1g/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

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Anti-RAB3A Antibody

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