



## RAB3A mouse mAb

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| <b>Catalog No</b>                  | YP-mAb-12052                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>                   | RAB3A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>                   | Synthesized peptide derived from human RAB3A AA range: 27-77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>                 | This antibody detects endogenous levels of RAB3A at Human/Mouse/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>                    | RAB3A;Ras related protein Rab 3A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cell Pathway</b>                | Cytoplasm, cytosol . Lysosome . Cytoplasmic vesicle, secretory vesicle . Cell projection, axon . Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cell junction, synapse, presynapse . Cell junction, synapse, postsynapse . Cycles between a vesicle-associated GTP-bound form and a cytosolic GDP-bound form. .                                                                                                                                                                                                                                           |
| <b>Tissue Specificity</b>          | Specifically expressed in brain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b>                    | function: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.,similarity:Belongs to the small GTPase superfamily. Rab family.,subunit:Heterodimer with RIMS2. Part of a ternary complex involving PCLO and EPAC2. Interacts with RPH3A. Interacts with the exocyst complex through SEC15. Binds SYTL4, RIMS1 and RIMS2. Interacts with RAB3IP. Interacts with SGSM1 and SGSM3.,tissue specificity:Specifically expressed in brain., |



## Background

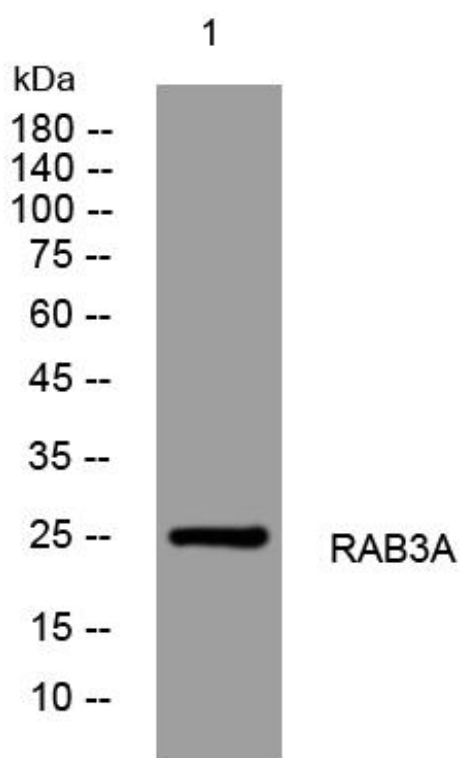
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using RAB3A mouse mAb