

# RAB8B Rabbit pAb

RAB8B Rabbit pAb  
Catalog # AP58389

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                            |
| <b>Primary Accession</b>       | <a href="#">Q92930</a>                                                                                                                                                                                                                                                                      |
| <b>Reactivity</b>              | Rat, Pig, Dog                                                                                                                                                                                                                                                                               |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                      |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                  |
| <b>Calculated MW</b>           | 23584                                                                                                                                                                                                                                                                                       |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human RAB8B                                                                                                                                                                                                                                   |
| <b>Epitope Specificity</b>     | 21-120/207                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                              |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                           |
| <b>SUBCELLULAR LOCATION</b>    | Cell membrane; Lipid-anchor; Cytoplasmic side                                                                                                                                                                                                                                               |
| <b>SIMILARITY</b>              | Belongs to the small GTPase superfamily. Rab family.                                                                                                                                                                                                                                        |
| <b>SUBUNIT</b>                 | Interacts with OTOF and PEX5R (By similarity). Interacts with RAB3IP. Interacts with VIM AND CDH1 (By similarity). Associated with actin, delta-catenin and alpha and beta tubulins.                                                                                                        |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                   |
| <b>Background Descriptions</b> | RAB proteins, like RAB8B, are low molecular mass monomeric GTPases that localize on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB proteins function in intracellular vesicle transport by aiding in the docking and/or fusion of vesicles with their target membranes |

## Additional Information

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| <b>Gene ID</b>     | 51762                                                                                                                                                                                           |
| <b>Other Names</b> | Ras-related protein Rab-8B, 3.6.5.2, RAB8B ( <a href="#">HGNC:30273</a> )                                                                                                                       |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                                    |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b> | RAB8B ( <a href="#">HGNC:30273</a> ) |
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## Function

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 sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). RAB8B may be involved in polarized vesicular trafficking and neurotransmitter release (Probable). May participate in cell junction dynamics in Sertoli cells (By similarity). May also participate in the export of a subset of neosynthesized proteins through a Rab8-Rab10-Rab11-dependent endosomal export route (PubMed:[32344433](#)).

## Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Endosome membrane. Note=Recruited to phagosomes containing *S.aureus* or *M.tuberculosis*. Colocalized with MICAL1, GRAF1/ARHGAP26 and GRAF2/ARHGAP10 on endosomal tubules (PubMed:32344433)

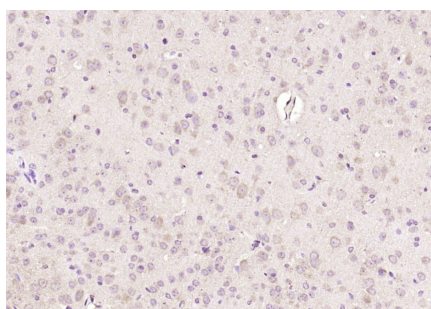
## Background

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RAB proteins, like RAB8B, are low molecular mass monomeric GTPases that localize on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB proteins function in intracellular vesicle transport by aiding in the docking and/or fusion of vesicles with their target membranes

## Images

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Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RAB8B) Polyclonal Antibody, Unconjugated (AP58389) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.