

### RAB3B Antibody

Purified Mouse Monoclonal Antibody (Mab) Catalog # AM8487b

## Specification

# **RAB3B Antibody - Product Information**

Application Primary Accession Reactivity Host Clonality Isotype Calculated MW WB, IHC-P, FC,E <u>P20337</u> Human, Mouse, Rat Mouse monoclonal IgG1,k 24758

# **RAB3B Antibody - Additional Information**

Gene ID 5865

Other Names Ras-related protein Rab-3B, RAB3B

**Target/Specificity** 

This RAB3B antibody is generated from a mouse immunized with a recombinant protein of human RAB3B.

Dilution WB~~1:2000 IHC-P~~1:25 FC~~1:25 E~~Use at an assay dependent concentration.

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage** 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.

**Precautions** RAB3B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### **RAB3B Antibody - Protein Information**

Name RAB3B (HGNC:9778)

**Function** The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed:<u>35871249</u>). 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 (PubMed:<u>35871249</u>).

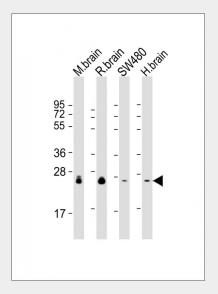
Cellular Location Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus {ECO:0000250|UniProtKB:Q9CZT8}. Note=Colocalizes with GAS8/DRC4 in the Golgi apparatus. {ECO:0000250|UniProtKB:Q9CZT8}

## **RAB3B Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

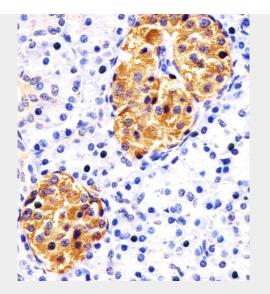
- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### **RAB3B Antibody - Images**

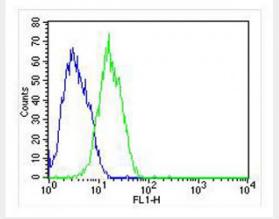


All lanes : Anti-RAB3B Antibody at 1:2000 dilution Lane 1: mouse brain lysate Lane 2: rat brain lysate Lane 3: SW480 whole cell lysate Lane 4: human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





AM8487b staining RAB3B in human pancreas 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.



Overlay histogram showing HepG2 cells stained with AM8487b (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 (AM8487b, 1:25 dilution) for 60 min at 37°C. The secondary Goat-Anti-Mouse 488 antibody used was lgG, **DyLight**® Conjugated Highly Cross-Adsorbed(NA168821) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG ( $1\mu g/1 \times 10^{6}$  cells) used under the same conditions. Acquisition of >10, 000 events was performed.

## RAB3B Antibody - Background

Protein transport. Probably involved in vesicular traffic (By similarity).

# RAB3B Antibody - References

Zahraoui A., et al.J. Biol. Chem. 264:12394-12401(1989). Puhl H.L. III, et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases. Gregory S.G., et al.Nature 441:315-321(2006). Rigbolt K.T., et al.Sci. Signal. 4:RS3-RS3(2011).

