

## Rabbit anti-Human RAB7 Monoclonal Antibody | anti-RAB7A antibody

RAB7 Rabbit mAb

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA282634 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

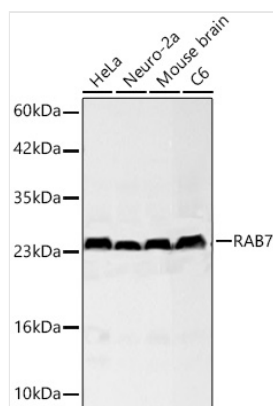
### PRODUCT SYNONYMS

RAB7; Monoclonal Antibody; RAB7 Rabbit mAb; CMT2B; PRO2706; anti-RAB7A antibody

### PRODUCT SPECIFICATIONS

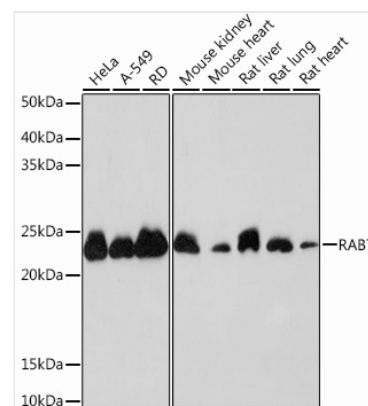
|                                                 |                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                           |
| Reactivity                                      | Human                                                                                                            |
| Clonality                                       | Monoclonal                                                                                                       |
| Isotype                                         | IgG                                                                                                              |
| Purity/Purification                             | Affinity purification                                                                                            |
| Form/Format                                     | PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.                                                       |
| Sequence                                        | IQASPRDPEN FPFVVLGNKI DLENRQVATK RAQAWCYSKN NIPYFETSAK EAINVEQAFQ TIARNALKQE<br>TEVELYNEFP EPIKLDKNDK AKASAESCSC |
| Applicable Applications for anti-RAB7A antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                     |
| Cross Reactivity                                | Human, Mouse, Rat                                                                                                |
| Immunogen                                       | A synthetic peptide corresponding to a sequence within amino acids 108-207 of human RAB7 (NP_004628.4).          |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                 |

### IMAGES



#### ICC (Immunocytochemistry)

Confocal imaging of NIH/3T3 cells using RAB7 Rabbit mAb (AAA282634, dilution 1:100) (Green). The cells were counterstained with Alpha-tubulin (ubiquitous) chain Rabbit mAb (AC039, dilution 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 60x.



#### WB (Western Blot)

Western blot analysis of various lysates using RAB7 Rabbit mAb (AAA282634) at 1:55000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RAB7A antibody | RAB family members are small, RAS-related GTP-binding proteins that are important regulators of vesicular transport. Each RAB protein targets multiple proteins that act in exocytic/endocytic pathways. This gene encodes a RAB family member that regulates vesicle traffic in the late endosomes and also from late endosomes to lysosomes. This encoded protein is also involved in the cellular vacuolation of the VacA cytotoxin of Helicobacter pylori. Mutations at highly conserved amino acid residues in this gene have caused some forms of Charcot-Marie-Tooth (CMT) type 2 neuropathies. |
| Product Categories/Family for anti-RAB7A antibody   | Signal Transduction; G protein signaling; Small G proteins; Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                            |                                             |
|----------------------------|---------------------------------------------|
| NCBI GI #                  | 1709999                                     |
| NCBI GeneID                | 7879                                        |
| UniProt Accession #        | P51149; Q9NWX0; Q9UPB0; A8K3V6              |
| Molecular Weight           | Calculated MW: 23kDa<br>Observed MW: 23kDa/ |
| UniProt Protein Name       | Ras-related protein Rab-7a                  |
| UniProt Gene Name          | RAB7A                                       |
| UniProt Synonym Gene Names | RAB7                                        |
| UniProt Entry Name         | RAB7A_HUMAN                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rab7-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282634>