

## Rabbit anti-Human RAB7A Polyclonal Antibody | anti-RAB7A antibody

Anti-RAB7A Antibody, Rabbit Polyclonal

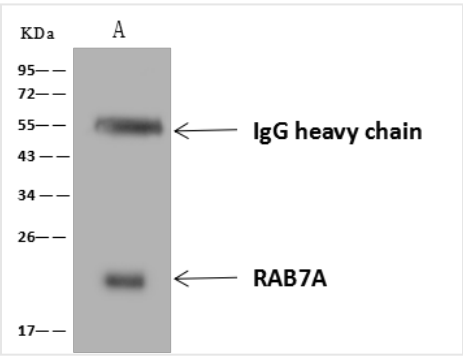
|                               |                       |                            |                                                          |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|
| CATALOG #<br><b>AAA257758</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunoprecipitation, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|

### PRODUCT SYNONYMS

RAB7A; Polyclonal Antibody; Anti-RAB7A Antibody; Rabbit Polyclonal; RAB7A Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-PRO2706 Antibody; Anti-RAB7 Antibody; member RAS oncogene family; anti-RAB7A antibody

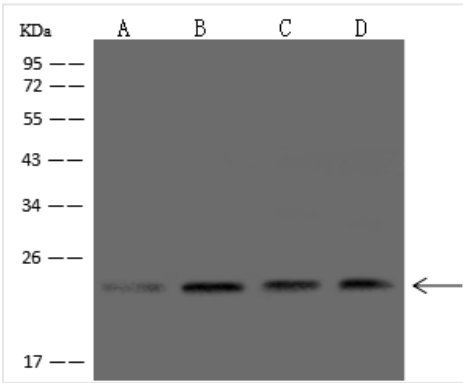
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity                                     | Human RAB7A                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                                                                                                                                                                                  |
| Form/Format                                     | Liquid. PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-RAB7A antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen                                       | E Coli-derived Human RAB7A fragment                                                                                                                                                                                                                                                                                                                                                                           |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human RAB7A fragment, and purified by antigen affinity chromatography.                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                         | <p>This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.</p> <p>This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.</p> |



IP (Immunoprecipitation)

RAB7A was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate, 4 uL anti-RAB7A rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-RAB7A rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 22 kDa.



WB (Western Blot)

Anti-RAB7A rabbit polyclonal antibody at 1:500 dilution. Lane A: A375 Whole Cell Lysate. Lane B: A431 Whole Cell Lysate. Lane C: U87 MG Whole Cell Lysate. Lane D: HT 1080 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 24 kDa. Observed band size: 24 kDa.

ADDITIONAL INFORMATION

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|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RAB7A antibody | Background: RAB7A is a ubiquitous small GTPase, which controls transport to late endocytic compartments. Silencing or overexpression of wild type RAB7A changed the soluble/insoluble rate of peripherin indicating that RAB7A is important for peripherin organization and function. Besides, disease-causing RAB7A mutant proteins bind more strongly to peripherin and their expression causes a significant increase in the amount of soluble peripherin. The altered interaction between disease-causing RAB7A mutants and peripherin could play an important role in CMT2B neuropathy. |
| Product Categories/Family for anti-RAB7A antibody   | Autophagy Pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**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.