

## Rabbit anti-Human RAB18 Polyclonal Antibody | anti-RAB18 antibody

Anti-RAB18 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA258532</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

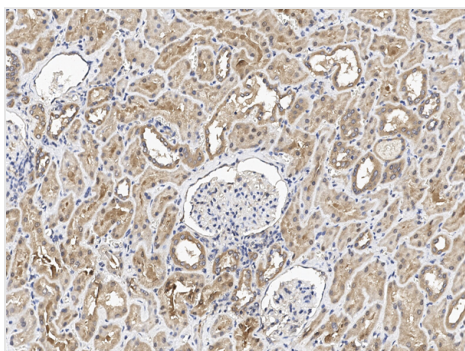
### PRODUCT SYNONYMS

RAB18; Polyclonal Antibody; Anti-RAB18 Antibody; Rabbit Polyclonal; RAB18 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-RAB18L1 Antibody; Anti-WARBM3 Antibody; member RAS oncogene family; anti-RAB18 antibody

### PRODUCT SPECIFICATIONS

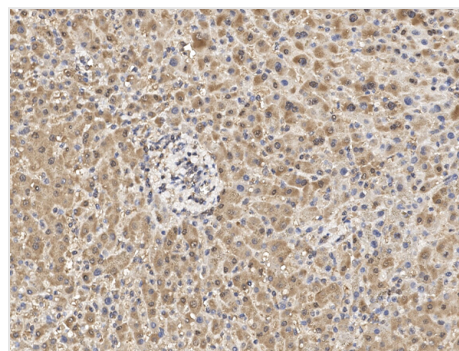
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|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human                                                                                                                                                                                                                                                       |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                  |
| Specificity                                     | Human RAB18                                                                                                                                                                                                                                                 |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                                |
| Form/Format                                     | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                                    |
| Applicable Applications for anti-RAB18 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                  |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                |
| Immunogen                                       | E Coli-derived Human RAB18 fragment                                                                                                                                                                                                                         |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human RAB18 fragment, and purified by antigen affinity chromatography.                                                                                                                                    |
| Preparation and Storage                         | This antibody can be stored at 2 degree C-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. |

### IMAGES



**IHC (Immunohistochemistry)**

Immunochemical staining of human RAB18 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



**IHC (Immunohistochemistry)**

Immunochemical staining of human RAB18 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Related Product Information for anti-RAB18 antibody | Rab18 is one of the small numbers of conserved Rab proteins that have been traced to the last eukaryotic common ancestor. It is found in organisms ranging from humans to trypanosomes and localizes to multiple organelles, including most notably endoplasmic reticulum (ER) and lipid droplets (LDs). Rab18, a small Rab GTPase, regulates intracellular membrane-trafficking events between various compartments in cells and is involved in the life cycle of multiple viruses. In humans, the absence of Rab18 leads to a severe illness known as Warburg micro syndrome (WARBM), whose clinical features include vision impairment, postnatal microcephaly, and lower limb spasticity. The functions of RAB18 and RAB7 in lysosomal and autophagic activities may constitute an overlapping mechanism underlying WARBM and CMT pathogenesis in the nervous system. |
| Product Categories/Family for anti-RAB18 antibody   | Autophagy Pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| References                                          | Zhang L, et al. (2020) Rab18 binds to classical swine fever virus ns5a and mediates viral replication and assembly in swine umbilical vein endothelial cells. Virulence 11 (1): 489-501.Tang WC, et al. (2014) Rab18 facilitates dengue virus infection by targeting fatty acid synthase to sites of viral replication. J Virol 88 (12): 6793-6804.Nian FS, et al. (2019) Rab18 collaborates with rab7 to modulate lysosomal and autophagy activities in the nervous system: An overlapping mechanism for warburg micro syndrome and charcot-marie-tooth neuropathy type 2b. Mol Neurobiol 56 (9): 6095-6105.Dejgaard SY, et al. (2019) Rab18: New insights into the function of an essential protein. Cell Mol Life Sci 76 (10): 1935-1945.                                                                                                                              |

**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/polyclonal/rab18-antibody-immunohistochemistry-elisa/258532>