

## Rabbit RAB1A Polyclonal Antibody | anti-RAB1A antibody

RAB1A Rabbit pAb

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA281781 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

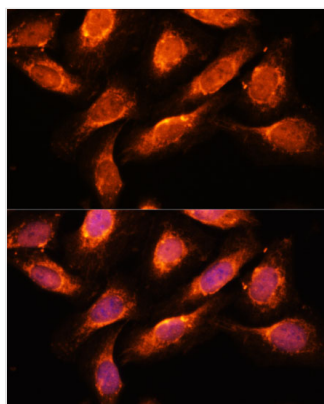
### PRODUCT SYNONYMS

RAB1A; Polyclonal Antibody; RAB1A Rabbit pAb; RAB1; YPT1; anti-RAB1A antibody

### PRODUCT SPECIFICATIONS

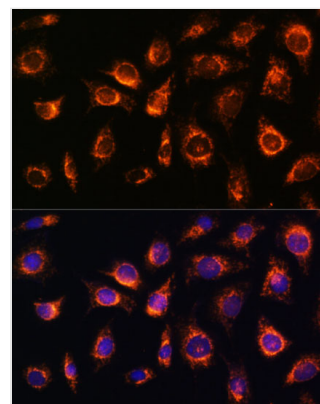
|                                                 |                                                                                                                                                                                                                                        |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                 |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                             |
| Isotype                                         | IgG                                                                                                                                                                                                                                    |
| Purity/Purification                             | Affinity purification                                                                                                                                                                                                                  |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                      |
| Sequence                                        | MSSMNPEYDY LFKLLIGDS GVGKSCLLLR FADDTYTESY ISTIGVDFKI RTIELDGKTI KLQIWDTAGQ<br>ERFRTITSSY YRGAHGIIVV YDVTDQESFN NVKQWLQEID RYASENVNKL LVGNKCDLTT KKVVDYTTAK<br>EFADSLGIPF LETSAKNATN VEQSFMTMAA EIKKRMGPGA TAGGAEKSNV KIQSTPVKQS GGGCC |
| Applicable Applications for anti-RAB1A antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                 |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 1-205 of human RAB1A (NP_004152.1).                                                                                                                      |
| Cellular Location                               | Cytoplasm, Early endosome, Endoplasmic reticulum, Golgi apparatus, Melanosome, Membrane, cytosol                                                                                                                                       |
| Positive Samples                                | HT-29, NIH/3T3, Mouse brain, C6, Rat kidney                                                                                                                                                                                            |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                                                                       |

### IMAGES



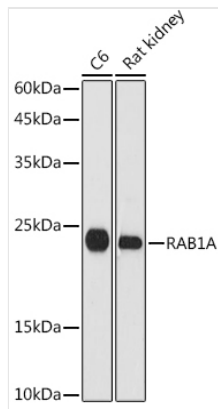
#### IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using RAB1A antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



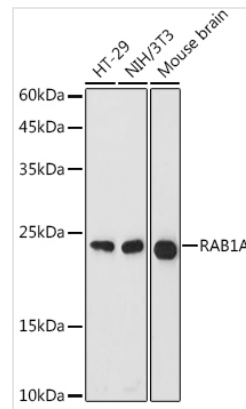
#### IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using RAB1A antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RAB1A antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RAB1A antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-RAB1A antibody</b> | Background: This gene encodes a member of the Ras superfamily of GTPases. Members of the gene family cycle between inactive GDP-bound and active GTP-bound forms. This small GTPase controls vesicle traffic from the endoplasmic reticulum to the Golgi apparatus. Multiple alternatively spliced transcript variants have been identified for this gene which encode different protein isoforms. |
| <b>Product Categories/Family for anti-RAB1A antibody</b>   | Signal Transduction; G protein signaling; Small G proteins                                                                                                                                                                                                                                                                                                                                         |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                        |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 51338603                                                                                                                               |
| <b>NCBI GeneID</b>                      | 5861                                                                                                                                   |
| <b>UniProt Accession #</b>              | P62820; P11476; Q6FIE7; Q96N61; Q9Y3T2                                                                                                 |
| <b>Molecular Weight</b>                 | 205                                                                                                                                    |
| <b>NCBI Official Full Name</b>          | Ras-related protein Rab-1A                                                                                                             |
| <b>NCBI Official Synonym Full Names</b> | RAB1A, member RAS oncogene family                                                                                                      |
| <b>NCBI Official Symbol</b>             | RAB1A                                                                                                                                  |
| <b>NCBI Official Synonym Symbols</b>    | RAB1; YPT1                                                                                                                             |
| <b>NCBI Protein Information</b>         | ras-related protein Rab-1A; YPT1-related protein; Rab GTPase YPT1 homolog; GTP binding protein Rab1a; RAB1, member RAS oncogene family |
| <b>UniProt Protein Name</b>             | Ras-related protein Rab-1A                                                                                                             |
| <b>UniProt Gene Name</b>                | <b>RAB1A</b>                                                                                                                           |
| <b>UniProt Synonym Gene Names</b>       | RAB1                                                                                                                                   |
| <b>UniProt Entry Name</b>               | RAB1A_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/polyclonal/rab1a-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281781>