

Datasheet for ABIN652609
anti-RAB7A antibody (C-Term)

7 Images

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Overview

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|----------------------|---|
| Quantity: | 400 µL |
| Target: | RAB7A |
| Binding Specificity: | AA 176-204, C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RAB7A antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|-----------------------|--|
| Immunogen: | This RAB7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-204 amino acids from the C-terminal region of human RAB7. |
| Clone: | RB21394 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | M |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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|---------|-------|
| Target: | RAB7A |
|---------|-------|

Target Details

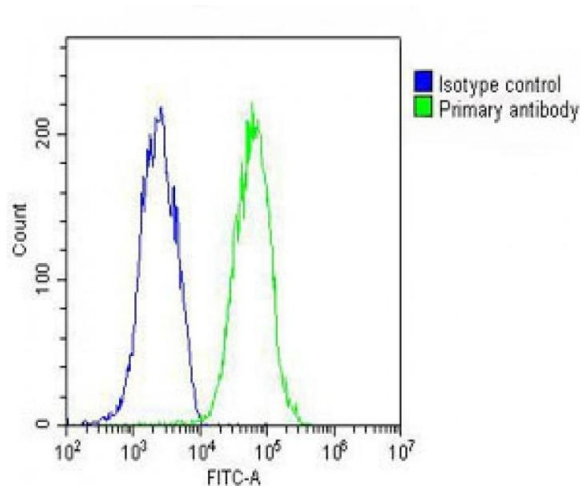
| | |
|-------------------|--|
| Alternative Name: | RAB7 (RAB7A Products) |
| Background: | RAB family members are small, RAS-related GTP-binding proteins that are important regulators of vesicular transport. Each RAB protein targets multiple proteins that act in exocytic / endocytic pathways. RAB7 is a RAB family member that regulates vesicle traffic in the late endosomes and also from late endosomes to lysosomes. This protein is also involved in the cellular vacuolation of the VacA cytotoxin of Helicobacter pylori. |
| Molecular Weight: | 23490 |
| Gene ID: | 7879 |
| NCBI Accession: | NP_004628 |
| UniProt: | P51149 |
| Pathways: | EGFR Signaling Pathway , Maintenance of Protein Location , SARS-CoV-2 Protein Interactome |

Application Details

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|--------------------|---|
| Application Notes: | WB: 1:2000. WB: 1:2000. WB: 1:2000. IHC-P: 1:25. IHC-P: 1:25. IHC-P: 1:25. FC: 1:25 |
| Restrictions: | For Research Use only |

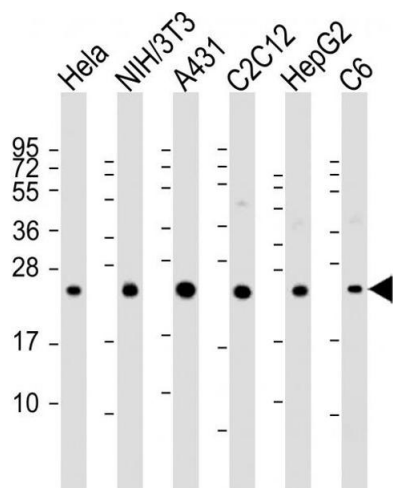
Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



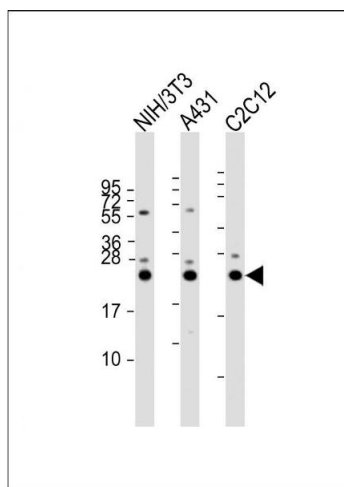
Flow Cytometry

Image 1. Overlay histogram showing HepG2 cells stained with (ABIN652609 and ABIN2842407) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN652609 and ABIN2842407), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. All lanes : Anti-RAB7 Antibody (C-term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: C2C12 whole cell lysate Lane 5: HepG2 whole cell lysate Lane 6: C6 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. All lanes : Anti-RAB7 Antibody (C-term) at 1:2000 dilution Lane 1: NIH/3T3 whole cell lysate Lane 2: A431 whole cell lysate Lane 3: C2C12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN652609.