

RAB7 Polyclonal Antibody

| Product Details | |
|--------------------|--|
| Size | 100 µL |
| Species Reactivity | Human, Mouse, Rat |
| Published Species | Human, Mouse |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Recombinant protein corresponding to Human RAB7 |
| Form | Liquid |
| Concentration | 0.15 mg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 40% glycerol |
| Contains | 0.02% sodium azide |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2646252 |

| Applications | Tested Dilution | Publications |
|------------------------------|-----------------|----------------|
| Western Blot (WB) | 0.04-0.4 µg/mL | 2 Publications |
| Immunohistochemistry (IHC) | 1:50-1:200 | 1 Publication |
| Immunocytochemistry (ICC/IF) | 0.25-2 µg/mL | 1 Publication |

Product Specific Information

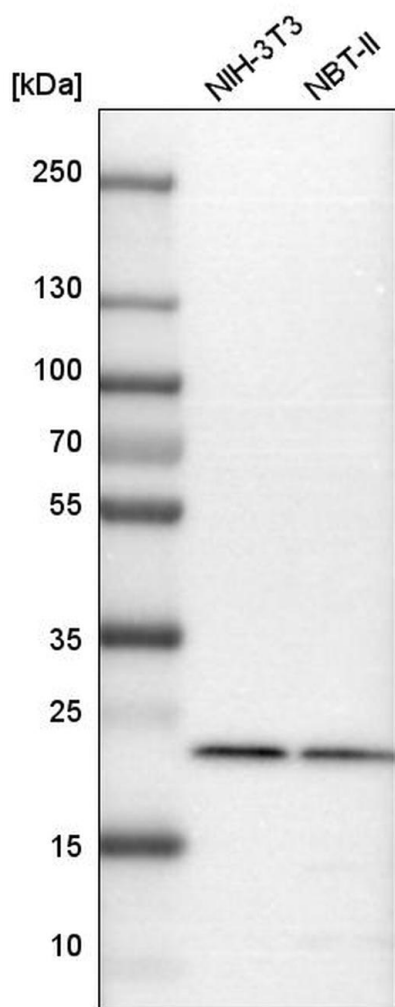
Immunogen sequence: CVLVFDVTAP NTFKTLDSWR DEFLIQASPR DPENFPFVVL GNKIDLENRQ VATKRAQAWC YSKNNIPYFE TSAKEAINVE QAFQTIARNA LKQETEVERLY NEFPEPIKLD KNDRAK

Highest antigen sequence identity to the following orthologs: Mouse - 100%, Rat - 99%.

Product Images For RAB7 Polyclonal Antibody

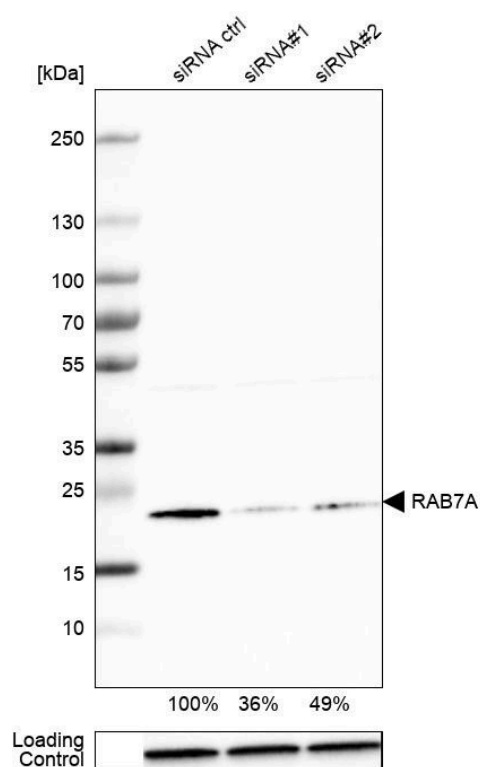
RAB7 Antibody (PA5-52369) in WB

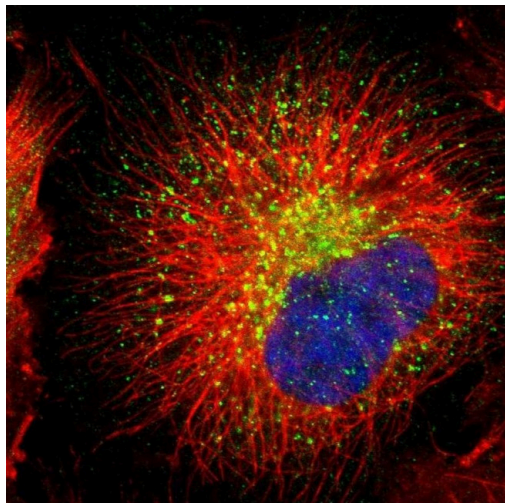
Western blot analysis of RAB7 in mouse cell line NIH-3T3 and rat cell line NBT-II using a RAB7 Polyclonal Antibody (Product # PA5-52369).



RAB7 Antibody (PA5-52369)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with, control siRNA, RAB7 siRNA probe #1, and RAB7 siRNA probe #2 and a decrease in signal intensity was observed in Western Blot application using Anti-RAB7 Polyclonal Antibody (Product # PA5-52369) used at a dilution of 0.4 μ g/mL. Anti-GAPDH was used as a loading control. {KD}





RAB7 Antibody (PA5-52369) in ICC/IF

Immunofluorescent staining of RAB7 in human cell line U-251 MG using a RAB7 Polyclonal Antibody (Product # PA5-52369) shows localization to lysosomes.

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Western Blot (2)

Cell adhesion & migration

- Linolenic acid modulates phagocytosis and endosomal pathways of extracellular Tau in microglia.

"Published figure using RAB7 polyclonal antibody (Product # PA5-52369) in Immunocytochemistry"

Authors: Desale SE,Chinnathambi S

Year
2021

Species
Mouse

Toxins

Major Determinants of Airway Epithelial Cell Sensitivity to *S. aureus* Alpha-Toxin: Disposal of Toxin Heptamers by Extracellular Vesicle Formation and Lysosomal Degradation.

"Published figure using RAB7 polyclonal antibody (Product # PA5-52369) in Western Blot"

Authors: Möller N,Ziesemer S,Hentschker C,Völker U,Hildebrandt JP

Year
2021

Immunohistochemistry (1)

American journal of physiology. Lung cellular and molecular physiology

Dysregulation of endocytic machinery and ACE2 in small airways of smokers and COPD patients can augment their susceptibility to SARS-CoV-2 (COVID-19) infections.

"Published figure using RAB7 polyclonal antibody (Product # PA5-52369) in Immunohistochemistry"

Authors: Eapen MS,Lu W,Hackett TL,Singhera GK,Thompson IE,McAlinden KD,Hardikar A,Weber HC,Haug G,Wark PAB,Chia C,Sohal SS

Year
2021

Species
Human

Dilution
1:100

Immunocytochemistry (1)

Cell adhesion & migration

- Linolenic acid modulates phagocytosis and endosomal pathways of extracellular Tau in microglia.

"Published figure using RAB7 polyclonal antibody (Product # PA5-52369) in Immunocytochemistry"

Authors: Desale SE,Chinnathambi S

Year
2021

Species
Mouse

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