

Product Datasheet

Rab7a Antibody - BSA Free

NBP1-87174

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-87174

Rab7a Antibody - BSA Free

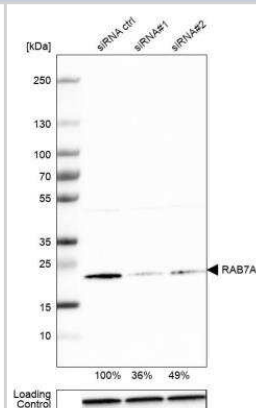
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	23 kDa

Product Description	
Host	Rabbit
Gene ID	7879
Gene Symbol	RAB7A
Species	Human, Mouse, Rat
Marker	Late Endosome Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: CVLVFDVTAPNTFKTLDSWRDEFLIQASPRDPENFPFVVLGNKIDLENRQVATK RAQAWCYSKNNIPYFETSAKEAINVEQAFQTIARNALKQETEVELYNEFPEPIKL DKNDRAK

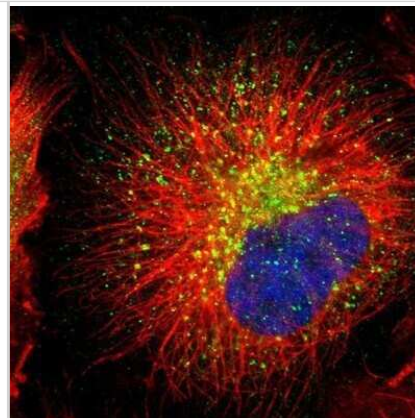
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization, Use PFA/Triton X-100.

Images

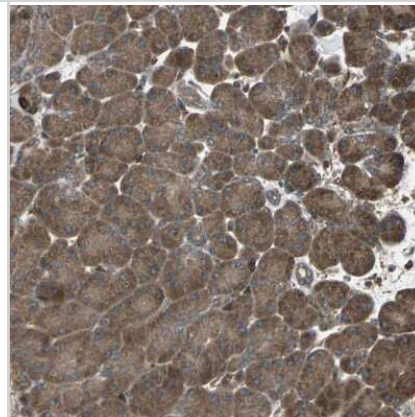
Western Blot: Rab7a Antibody [NBP1-87174] - Analysis in A-431 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-RAB7A antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



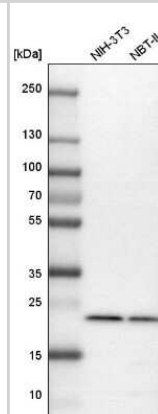
Immunocytochemistry/Immunofluorescence: Rab7a Antibody [NBP1-87174] - Staining of human cell line U-251MG shows positivity in vesicles. Antibody staining is shown in green.



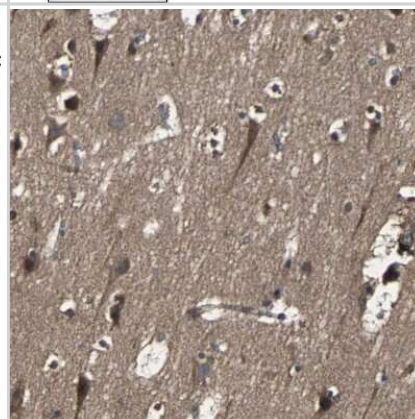
Immunohistochemistry-Paraffin: Rab7a Antibody [NBP1-87174] - Staining of human pancreas shows moderate to strong cytoplasmic positivity in exocrine glandular cells.



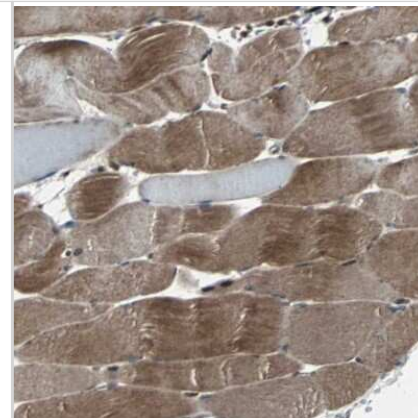
Western Blot: Rab7a Antibody [NBP1-87174] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



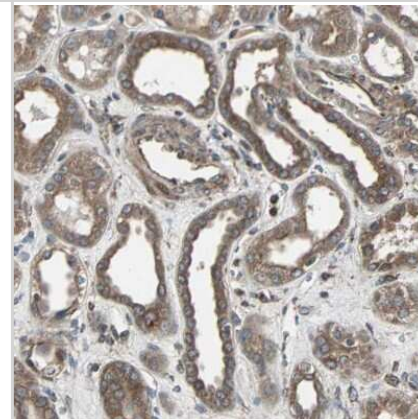
Immunohistochemistry-Paraffin: Rab7a Antibody [NBP1-87174] - Staining of human cerebral cortex shows moderate to strong cytoplasmic positivity in neuronal cells.



Immunohistochemistry-Paraffin: Rab7a Antibody [NBP1-87174] - Staining of human skeletal muscle shows moderate to strong cytoplasmic positivity in myocytes.



Immunohistochemistry-Paraffin: Rab7a Antibody [NBP1-87174] - Staining of human kidney shows moderate to strong cytoplasmic positivity in cells in tubules.



Publications

Zharko Daniloski, Tristan X. Jordan, Hans-Hermann Wessels, Daisy A. Hoagland, Silva Kasela, Mateusz Legut et al. Identification of Required Host Factors for SARS-CoV-2 Infection in Human Cells *Cell* 2021-01-01 [PMID: 33147445]

Genard GC, Tirinato L, Pagliari F et Al. Lipid droplets and small extracellular vesicles: More than two independent entities *J Extracell Biol* 2024-09-01 [PMID: 39257626]

Choi GE, Park JY, Park MR et al. Glucocorticoid Enhances Presenilin1-Dependent A β Production at Er's Mitochondrial-Associated Membrane by Downregulating Rer1 in Neuronal Cells *Redox biology* 2023-06-16 [PMID: 37494768] (Functional Assay)

Peinado JR, Chaplot K, Jarvela TS, Barbieri E Phase separation of proSAAS into spheres results in core sequestration of TDP-43216-414 aggregates *bioRxiv* 2020-01-01

Pera M, Larrea D, Guardia-Laguarta C et al. Increased localization of APP-C99 in mitochondria-associated ER membranes causes mitochondrial dysfunction in Alzheimer disease. *EMBO J.* 2017-10-10 [PMID: 29018038] (WB, Mouse)



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Products Related to NBP1-87174

NBP1-87174PEP	Rab7a Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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