

Product Datasheet

Granulin Antibody - BSA Free

NBP1-87324

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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NBP1-87324

Granulin 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

Product Description

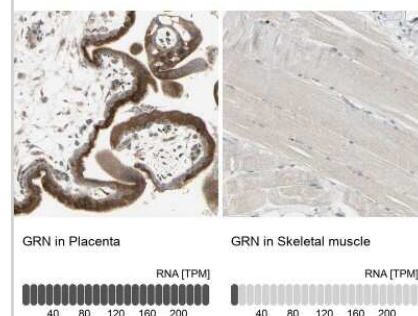
Host	Rabbit
Gene ID	2896
Gene Symbol	GRN
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in (PMID: 29511098). Rat (83%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DSQFECPDFSTCCVMVDGSWGCCPMPQASCCEDRVHCCPHGAFCDLVHTR CITPTGTHPLAKKLPAQRTNRAVALSSSVMCPDARSRCPDGSTCCELP SGKYG CCPMPNATCCSDHLHCCPQDTVCDLIQSKCLSKENATTDLL

Product Application Details

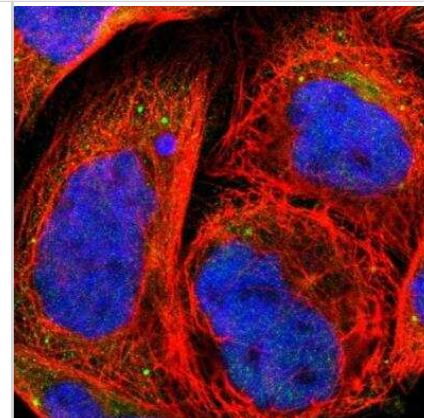
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 29511098), Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF fixation Permeabilization: Use PFA/Triton X-100.

Images

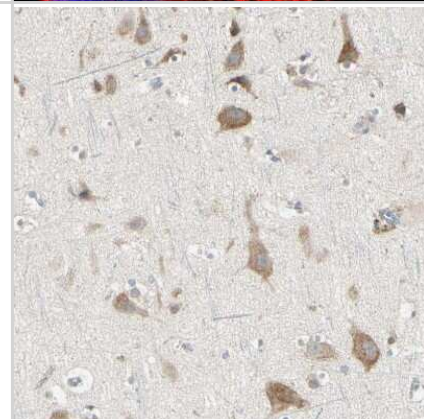
Immunohistochemistry-Paraffin: Granulin Antibody [NBP1-87324] - Staining in human placenta and skeletal muscle tissues . Corresponding GRN RNA-seq data are presented for the same tissues.



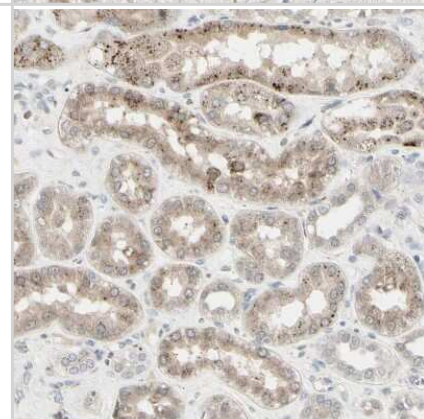
Immunocytochemistry/Immunofluorescence: Granulin Antibody [NBP1-87324] - Staining of human cell line A-431 shows localization to endoplasmic reticulum & lysosomes. Antibody staining is shown in green.



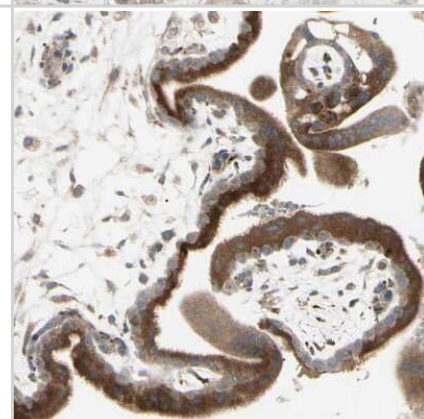
Immunohistochemistry-Paraffin: Granulin Antibody [NBP1-87324] - Staining of human cerebral cortex shows moderate granular cytoplasmic positivity in neurons.



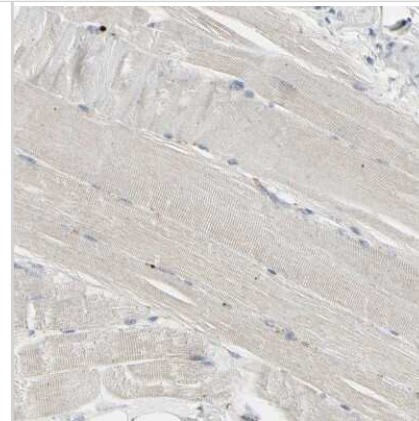
Immunohistochemistry-Paraffin: Granulin Antibody [NBP1-87324] - Staining of human kidney shows moderate granular cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: Granulin Antibody [NBP1-87324] - Staining of human placenta shows moderate to strong granular cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: Granulin Antibody [NBP1-87324] - Staining of human skeletal muscle shows very weak cytoplasmic positivity in striated muscle fibers.



Publications

Kuang L, Hashimoto K, Huang EJ et al. Frontotemporal dementia nonsense mutation of progranulin rescued by aminoglycosides Hum. Mol. Genet. 2020-01-08 [PMID: 31913476] (ICC/IF, WB, Mouse)

Nguyen AD, Nguyen TA, Zhang J, et al Murine knockin model for progranulin-deficient frontotemporal dementia with nonsense-mediated mRNA decay Proc Natl Acad Sci USA. 2018-03-06 [PMID: 29511098] (WB, Mouse)



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Products Related to NBP1-87324

NBP1-87324PEP	Granulin 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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