

Product Datasheet

Calnexin Antibody - BSA Free

NBP1-85519

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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NBP1-85519

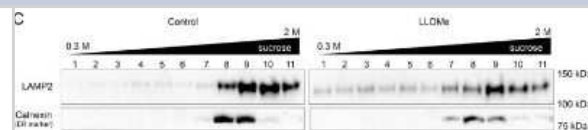
Calnexin Antibody - BSA Free

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	
Description	Novus Biologicals Rabbit Calnexin Antibody - BSA Free (NBP1-85519) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Calnexin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	821
Gene Symbol	CANX
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (84%), Rat (87%)
Marker	Endoplasmic Reticulum Membrane Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TSGMEYKKTDAPQPDVKEEEEEKEEEKDKGDEEEEGEEKLEEKQKSDAEEDG GTVSQEEEDRKPKAEDEILNRSPNRKPRR
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot Reported in scientific publication (PMID: 32409651), 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.

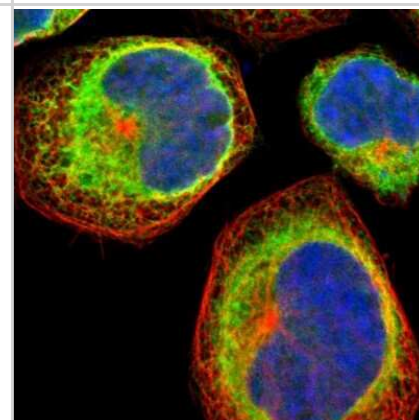


Images

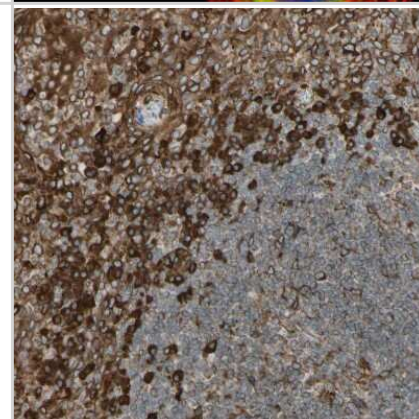
Western Blot: Calnexin Antibody [NBP1-85519] - LAMP2 released to the cytosol is part of small membrane vesicles. c Sucrose gradient fractions (0.3-2 M) immunoblotted against LAMP2 from cells exposed to LLOMe (1 mM, 2 h). Calnexin is used as an organelle marker. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41419-020-2527-8>), licensed under a CC-BY license.



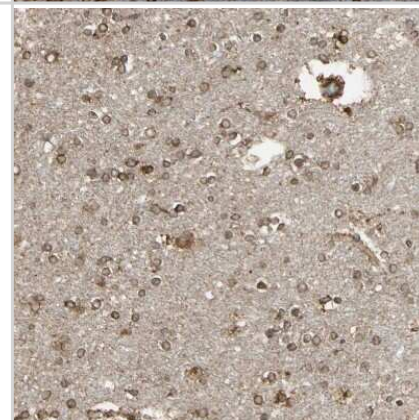
Immunocytochemistry/Immunofluorescence: Calnexin Antibody [NBP1-85519] - Immunofluorescent staining of human cell line A-431 shows localization to endoplasmic reticulum.



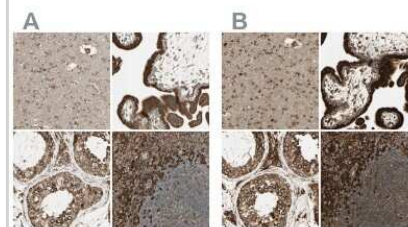
Immunohistochemistry-Paraffin: Calnexin Antibody [NBP1-85519] - Staining of human tonsil shows strong cytoplasmic positivity in non-germinal center cells.



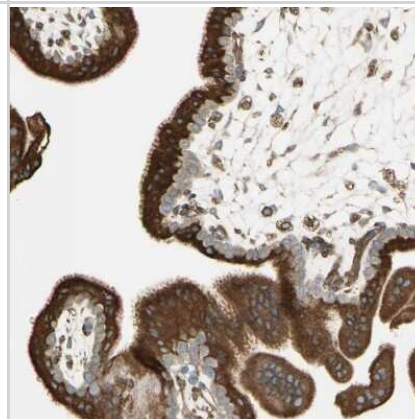
Immunohistochemistry-Paraffin: Calnexin Antibody [NBP1-85519] - Staining of human cerebral cortex shows strong cytoplasmic positivity in neurons.



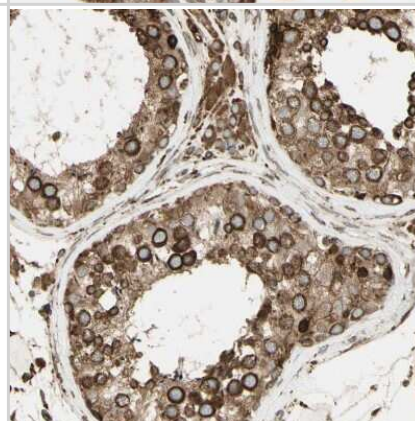
Immunohistochemistry-Paraffin: Calnexin Antibody [NBP1-85519] - Staining of human cerebral cortex, placenta, testis and tonsil using Anti-Calnexin antibody NBP1-85519 (A) shows similar protein distribution across tissues to independent antibody NBP1-85520 (B).



Immunohistochemistry-Paraffin: Calnexin Antibody [NBP1-85519] - Staining of human placenta shows strong cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: Calnexin Antibody [NBP1-85519] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



Publications

Eriksson I, Waster P, Ollinger K Restoration of lysosomal function after damage is accompanied by recycling of lysosomal membrane proteins Cell Death Dis 2020-05-14 [PMID: 32409651] (WB, Human)

Magnusson K, Appelqvist H, Cieslar-Pobuda A et al. Differential vital staining of normal fibroblasts and melanoma cells by an anionic conjugated polyelectrolyte Cytometry A. 2015-01-20 [PMID: 25605326] (ICC/IF, Human)

Stadler C, Hjelmare M, Neumann B et al. Systematic validation of antibody binding and protein subcellular localization using siRNA and confocal microscopy. J Proteomics 2012-04-03 [PMID: 22361696]



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Products Related to NBP1-85519

NBP1-85519PEP	Calnexin 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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