

Product Datasheet

GM130/GOLGA2 Antibody - BSA Free NBP2-53420

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 16

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-53420

Updated 4/1/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-53420



NBP2-53420

GM130/GOLGA2 Antibody - BSA Free

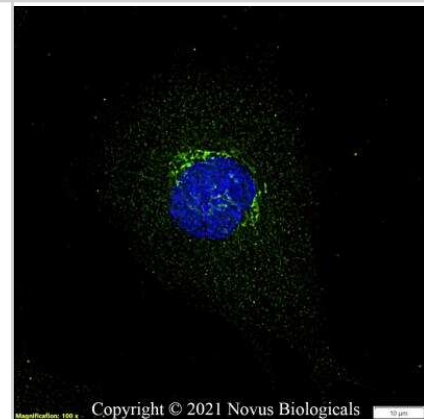
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	2801
Gene Symbol	GOLGA2
Species	Human, Mouse, Rat
Immunogen	Partial recombinant human GM130/GOLGA2 protein (amino acids 528-606). [UniPro Q08379]

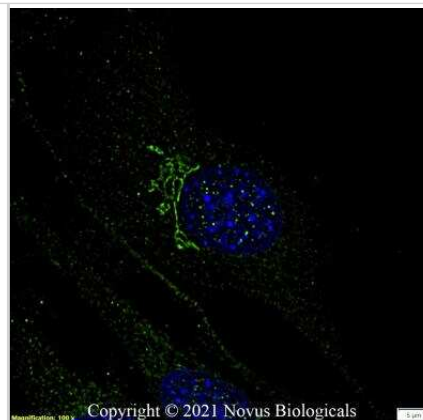
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5 ug/mL, Flow Cytometry, Immunohistochemistry 1:1000 - 1:1500, Immunocytochemistry/ Immunofluorescence 1-5 ug/mL, Immunohistochemistry-Paraffin 1:1000 - 1:1500

Images

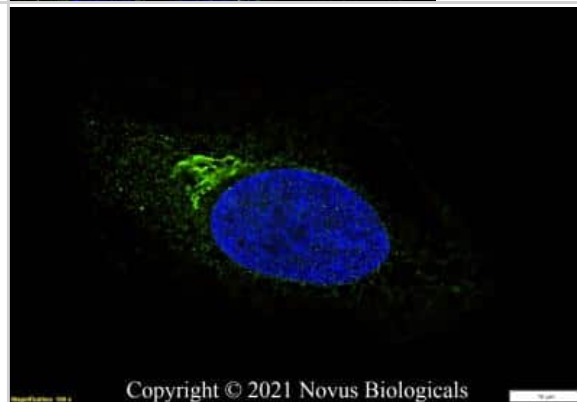
Immunocytochemistry/Immunofluorescence: GM130/GOLGA2 Antibody [NBP2-53420] - PC12 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti- NBP2-53420 at 1 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



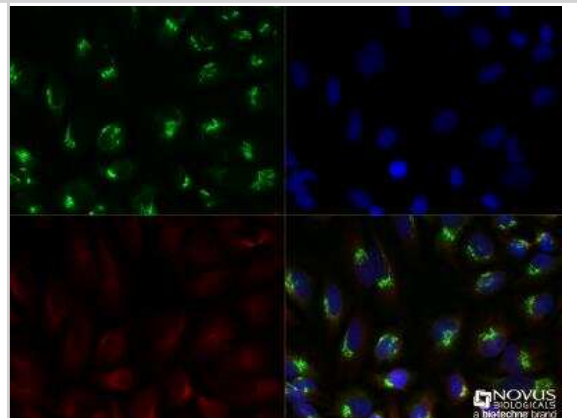
Immunocytochemistry/Immunofluorescence: GM130/GOLGA2 Antibody [NBP2-53420] - NIH3T3 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-GM130/GOLGA2 Antibody NBP2-53420 at 1 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



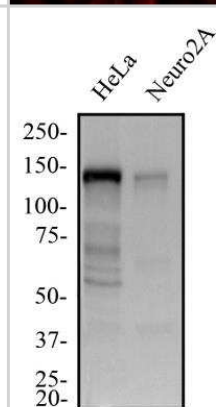
Immunocytochemistry/Immunofluorescence: GM130/GOLGA2 Antibody [NBP2-53420] - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-GM130/GOLGA2 Antibody NBP2-53420 at 1 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



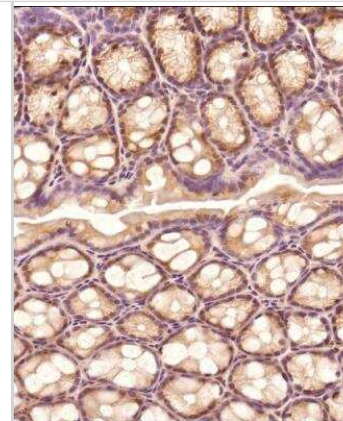
Immunocytochemistry/Immunofluorescence: GM130/GOLGA2 Antibody [NBP2-53420] - HeLa cells were fixed for 10 min using 10% formalin and then permeabilized for 5 min using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-GOLGA2 at 1:200 overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at 1:500. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at 1:1000 and detected with an anti-mouse DyLight 550 (Red) at 1:500. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



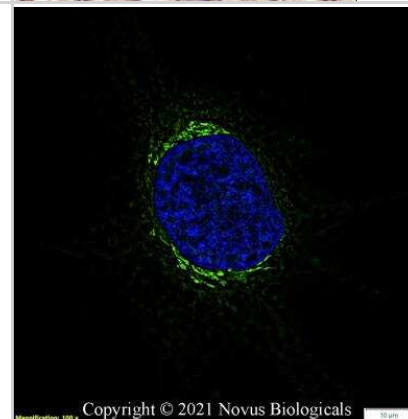
Western Blot: GM130/GOLGA2 Antibody [NBP2-53420] - Total protein from human HeLa and mouse Neuro2A cells was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 0.5 ug/mL anti-GOLGA2 in 1% non-fat milk in TBST and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



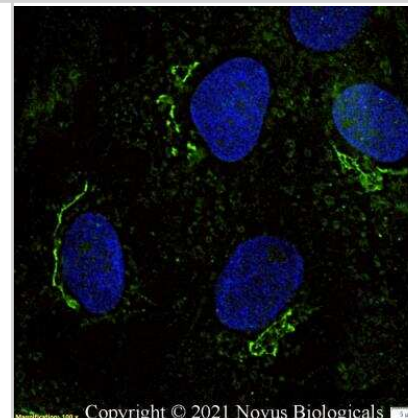
Immunohistochemistry-Paraffin: GM130/GOLGA2 Antibody [NBP2-53420] - Analysis of a FFPE tissue section of mouse intesting using GM130/GOLGA2 antibody at 1:1500. The antibody generated staining in the the Golgi apparatus in the perinuclear region.



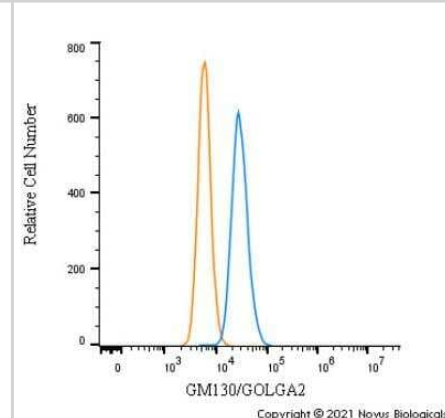
Immunocytochemistry/Immunofluorescence: GM130/GOLGA2 Antibody [NBP2-53420] - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with GM130/GOLGA2 Antibody conjugated to Biotin (NBP2-53420B) at 5 ug/ml for 1 hour at room temperature and detected with Streptavidin conjugated to DyLight 488. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



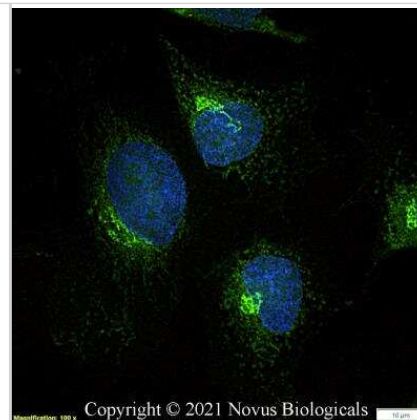
Immunocytochemistry/Immunofluorescence: GM130/GOLGA2 Antibody [NBP2-53420] - A431 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with GM130/GOLGA2 Antibody conjugated to FITC (NBP2-53420F) at 2 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



Flow Cytometry: GM130/GOLGA2 Antibody [NBP2-53420] - An intracellular stain was performed on NIH3T3 cells with NBP2-53420 (blue) and a matched isotype control NBP2-24891 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, DyLight 550 (SA5-10033, Thermo Fisher).

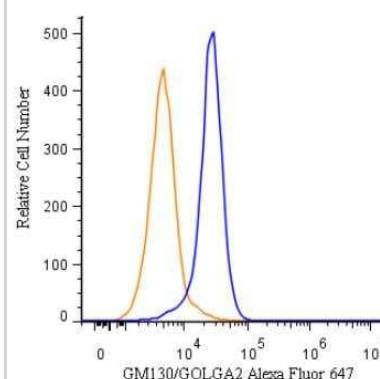


Immunocytochemistry/Immunofluorescence: GM130/GOLGA2 Antibody [NBP2-53420] - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with GM130/GOLGA2 Antibody conjugated to FITC (NBP2-53420F) at 5 μ g/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



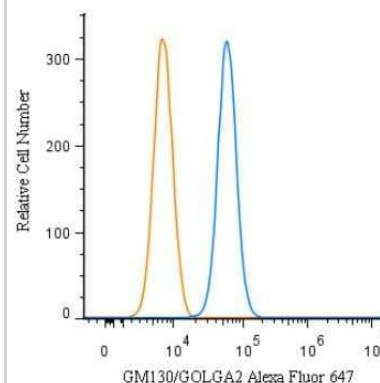
Copyright © 2021 Novus Biologicals

Flow Cytometry: GM130/GOLGA2 Antibody [NBP2-53420] - An intracellular stain was performed on HeLa cells with NBP2-53420AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 μ g/mL for 30 min at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



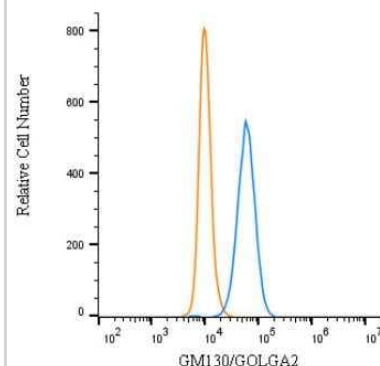
Copyright © 2018 Novus Biologicals

Flow Cytometry: GM130/GOLGA2 Antibody [NBP2-53420] - An intracellular stain was performed on MCF7 cells with GM130/GOLGA2 Antibody NBP2-53420AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 μ g/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



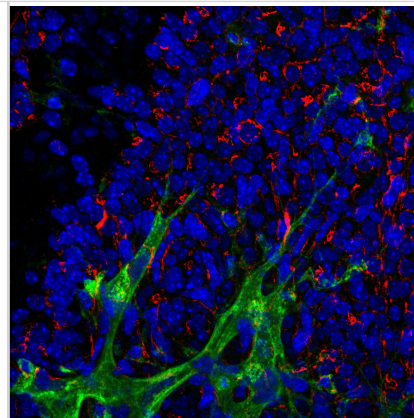
Copyright © 2020 Novus Biologicals

Flow Cytometry: GM130/GOLGA2 Antibody [NBP2-53420] - An intracellular stain was performed on HeLa cells with NBP2-53420 (blue) and a matched isotype control NBP2-24891 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 μ g/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (SA5-10033, Thermo Fisher).



Copyright © 2021 Novus Biologicals

Immunohistochemistry: Rabbit Polyclonal GM130/GOLGA2 Antibody [NBP2-53420] - Staining of mouse C57BL/6 retina using GM130/GOLGA2 Antibody. GOLGA (red), BS-1 lectin (green), DAPI (blue). Primary antibody dilution: 1:200. Image from a verified customer review.



Publications

Chantziou A, Theodorakis K, Polioudaki H et al. Glycosylation Modulates Plasma Membrane Trafficking of CD24 in Breast Cancer Cells International Journal of Molecular Sciences 2021-07-29 [PMID: 34360932]

LM Daian, G Tanko, AM Vacaru, L Ghila, S Chera, AM Vacaru Modulation of Unfolded Protein Response Restores Survival and Function of beta-Cells Exposed to the Endocrine Disruptor Bisphenol A International Journal of Molecular Sciences, 2023-01-19;24(3):. 2023-01-19 [PMID: 36768343]

Ahmad S, Deep G, Punzi HA et al. Chymase in Plasma and Urine Extracellular Vesicles: Novel Biomarkers for Primary Hypertension medRxiv : the preprint server for health sciences 2023-11-10 [PMID: 37986951]

Dhamdhare MR, Gowda CP, Singh V et al. IGF2BP1 regulates the cargo of extracellular vesicles and promotes neuroblastoma metastasis Oncogene 2023-03-27 [PMID: 36973517]

Wang X, Hu S, Zhu D et al. Comparison of extruded cell nanovesicles and exosomes in their molecular cargos and regenerative potentials Nano research 2023-02-28 [PMID: 37223430] (WB, Mouse)

de la Cruz-Ojeda P, Schmid T, Boix L et al. miR-200c-3p, miR-222-5p, and miR-512-3p Constitute a Biomarker Signature of Sorafenib Effectiveness in Advanced Hepatocellular Carcinoma Cells 2022-08-28 [PMID: 36078082] (WB, Human)

Brodsky IB, Fokin AI, Efremov AA et al. Divergent Contribution of the Golgi Apparatus to Microtubule Organization in Related Cell Lines International journal of molecular sciences 2022-12-19 [PMID: 36555819] (ICC/IF, Monkey)

Kuhn M, Zhang Y, Favate J et al. IMP1/IGF2BP1 in human colorectal cancer extracellular vesicles American journal of physiology. Gastrointestinal and liver physiology 2022-10-04 [PMID: 36194131] (WB, Human)

Details:

Dilution used in WB 1:1000

Jacquier A, Risson V, Simonet T et al. Severe congenital myasthenic syndromes caused by agrin mutations affecting secretion by motoneurons Acta neuropathologica 2022-08-10 [PMID: 35948834] (ICC/IF)

Details:

Dilutions: 1:400

Vijayan K, Arang N, Wei L et al. A genome-wide CRISPR-Cas9 screen identifies CENPJ as a host regulator of altered microtubule organization during Plasmodium liver infection Cell chemical biology 2022-06-18 [PMID: 35738280] (ICC/IF)

Zhang X, Wang X, Yuan Z et al. Amino acids-Rab1A-mTORC1 signaling controls whole-body glucose homeostasis Cell reports 2021-03-16 [PMID: 33730578]

Shomron O, Hirschberg K, Burakov A et al. Positioning of endoplasmic reticulum exit sites around the Golgi depends on BicaudalID2 and Rab6 activity Traffic (Copenhagen, Denmark) 2020-12-12 [PMID: 33314495]

More publications at <http://www.novusbio.com/NBP2-53420>



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-53420

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00002801-Q01-10ug	Recombinant Human GM130/GOLGA2 GST (N-Term) Protein

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-53420

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

