

Product Datasheet

Polypeptide GalNAc Transferase 7/GALNT7 Antibody - BSA Free NBP2-39021

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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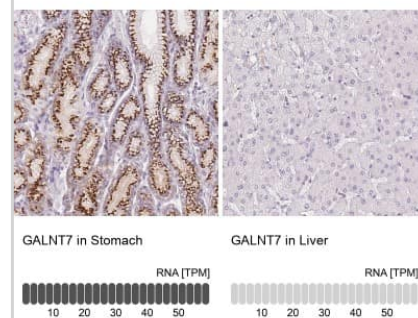


NBP2-39021**Polypeptide GalNac Transferase 7/GALNT7 Antibody - BSA Free**

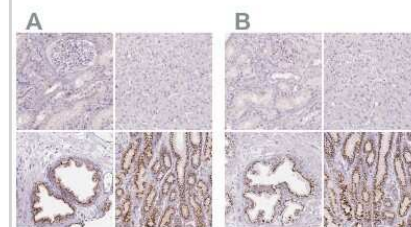
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit Polypeptide GalNac Transferase 7/GALNT7 Antibody - BSA Free (NBP2-39021) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Polypeptide GalNac Transferase 7/GALNT7 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	51809
Gene Symbol	GALNT7
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:35087510). Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (89%)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: GDSQKDIMQRQYLTFKPQFTTYHDPVLRPGILGNFEPKEPEPPGVVGGPGEKA KPLVLGPEFKRAI
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

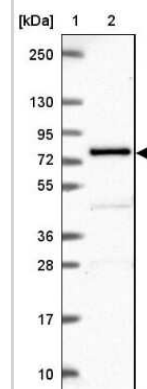
Immunohistochemistry-Paraffin: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Staining in human stomach and liver tissues using NBP2-39021 antibody. Corresponding GALNT7 RNA-seq data are presented for the same tissues.



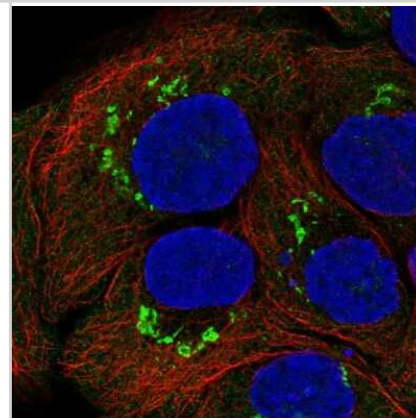
Immunohistochemistry-Paraffin: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Staining of human kidney, liver, prostate and stomach using Anti-GALNT7 antibody NBP2-39021 (A) shows similar protein distribution across tissues to independent antibody NBP2-39054 (B).



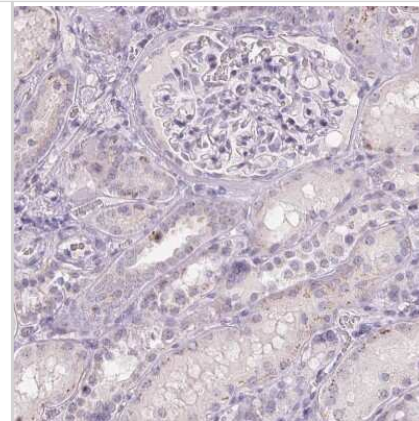
Western Blot: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4



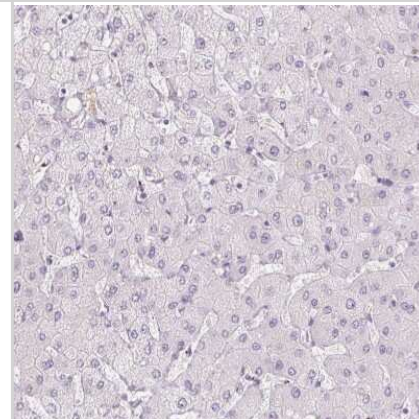
Immunocytochemistry/Immunofluorescence: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Staining of human cell line HaCaT shows localization to the Golgi apparatus. Antibody staining is shown in green.



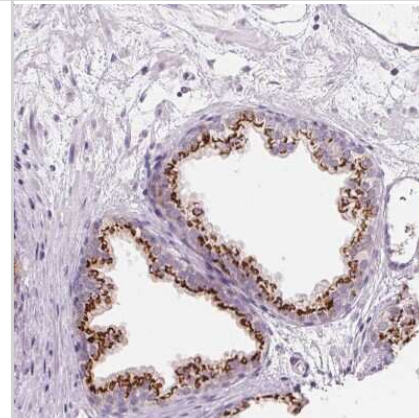
Immunohistochemistry-Paraffin: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Staining of human kidney shows very weak positivity in cells in tubules as expected.



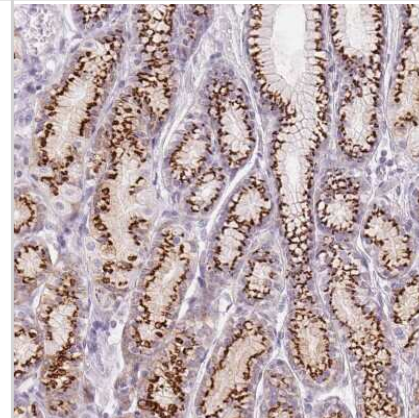
Immunohistochemistry-Paraffin: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Staining of human liver shows no positivity in hepatocytes as expected.



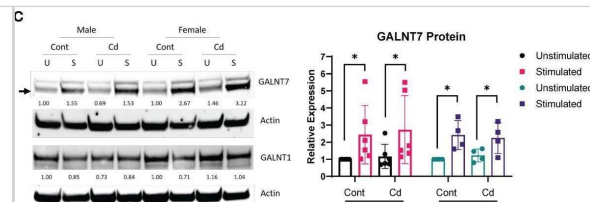
Immunohistochemistry-Paraffin: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Staining of human prostate shows strong positivity in glandular cells of Golgi apparatus.



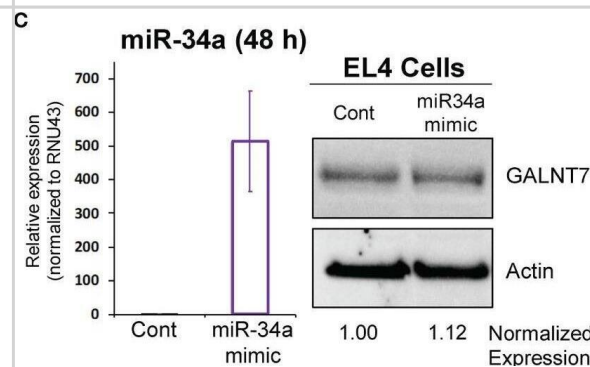
Immunohistochemistry-Paraffin: Polypeptide GalNac Transferase 7/GALNT7 Antibody [NBP2-39021] - Staining of human stomach shows strong positivity in Golgi apparatus in glandular cells.



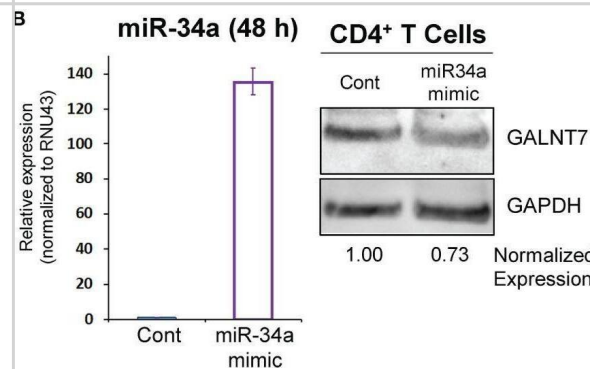
GALNT7 protein expression, but not mRNA expression, is altered in CD4⁺ T cells following activation. (A) Model of GALNT1 and GALNT7 regulation by lncSnhg7. (B, C) CD4⁺CD25⁻ T conventional cells were isolated from total splenocytes. Cells were cultured in the presence of anti-CD3/CD28 magnetic beads for 0 and 16 hours for RNA or 0 and 72 hours for protein. GALNT1 and GALNT7 expression was analyzed by qPCR (B) and western blot (C). Statistical significance was assessed using ratio paired t-tests between stimulated and unstimulated samples with correction for multiple comparisons using the Holm-Šidak method in post-hoc analysis. *p < 0.05. n = 3-7 per group. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35087510>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



miR-34a regulates GALNT7 expression in primary T Cells. (A) Optimization of miR-34a used in nucleofection. miR-34a was overexpressed in mouse CD4⁺ T cells (B) or EL4 cells (C). miR-34a mRNA levels were assessed using qPCR. GALNT7 levels were measured using western blotting. Data from representative experiments are shown. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35087510>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



miR-34a regulates GALNT7 expression in primary T Cells. (A) Optimization of miR-34a used in nucleofection. miR-34a was overexpressed in mouse CD4⁺ T cells (B) or EL4 cells (C). miR-34a mRNA levels were assessed using qPCR. GALNT7 levels were measured using western blotting. Data from representative experiments are shown. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35087510>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

McCall JL, Varney ME, Rice E et al. Prenatal Cadmium Exposure Alters Proliferation in Mouse CD4⁺ T Cells via lncRNA Snhg7 *Frontiers in immunology* 2022-01-11 [PMID: 35087510] (WB, Mouse)



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Products Related to NBP2-39021

NBP2-39021PEP	Polypeptide GalNac Transferase 7/GALNT7 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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