

Product Datasheet

beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody - BSA Free NBP1-88654

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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Updated 2/21/2025 v.20.1

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NBP1-88654

beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody - BSA Free

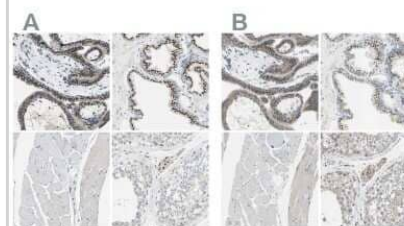
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	2683
Gene Symbol	B4GALT1
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23511973).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LPQLVGVSTPLQGGSNSAAAIGQSSGELRTGGARPPPPLGASSQPRPGGDSS PVVDSGPGPASNLTSVPVPHTTALSLPACPEESPLLVGPMLEFNMPVDLELVA KQNPNVKM

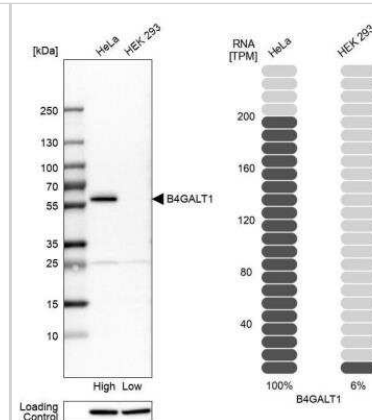
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 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

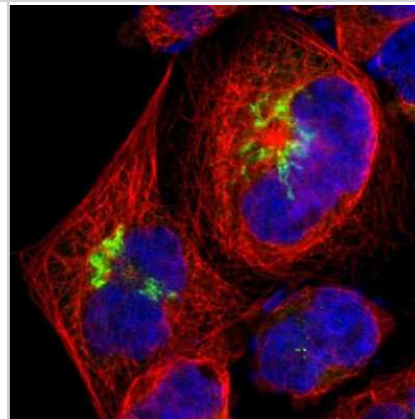
Immunohistochemistry-Paraffin: beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody [NBP1-88654] - Staining of human placenta, prostate, skeletal muscle and testis using Anti-B4GALT1 antibody NBP1-88654 (A) shows similar protein distribution across tissues to independent antibody NBP1-88655 (B).



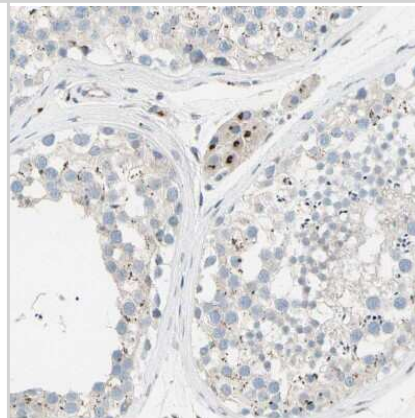
Western Blot: beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody [NBP1-88654] - Analysis in human cell lines HeLa and HEK293 using anti-B4GALT1 antibody. Corresponding B4GALT1 RNA-seq data are presented for the same cell lines. Loading control: anti-HSP90B1.



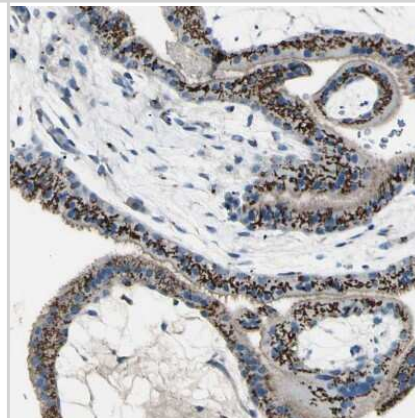
Immunocytochemistry/Immunofluorescence: beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody [NBP1-88654] - Staining of human cell line A-431 shows localization to the Golgi apparatus. Antibody staining is shown in green.



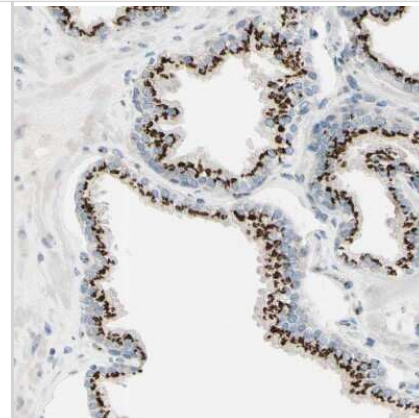
Immunohistochemistry-Paraffin: beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody [NBP1-88654] - Staining of human testis shows strong granular cytoplasmic positivity in Leydig cells.



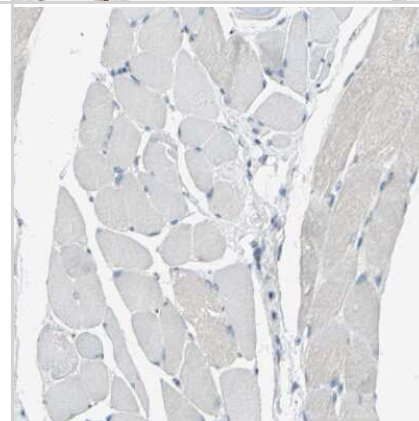
Immunohistochemistry-Paraffin: beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody [NBP1-88654] - Staining of human placenta shows strong granular cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody [NBP1-88654] - Staining of human prostate shows strong granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: beta-1,4-Galactosyltransferase 1/B4GalT1 Antibody [NBP1-88654] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Publications

Bui S, Stark D, Li J et al. Common Markers and Small Molecule Inhibitors in Golgi Studies Methods in Molecular Biology 2023-05-03 [PMID: 36512231]

Stalder L, Heusermann W, Sokol L et al. The rough endoplasmatic reticulum is a central nucleation site of siRNA-mediated RNA silencing. EMBO J 2013-04-17 [PMID: 23511973]



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Products Related to NBP1-88654

NBP1-88654PEP	beta-1,4-Galactosyltransferase 1/B4GalT1 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

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