

Product Datasheet

O-GlcNAc Transferase p110 subunit Antibody - BSA Free NBP1-32791

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-32791

Updated 2/21/2025 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/NBP1-32791



NBP1-32791**O-GlcNAc Transferase p110 subunit Antibody - BSA Free**

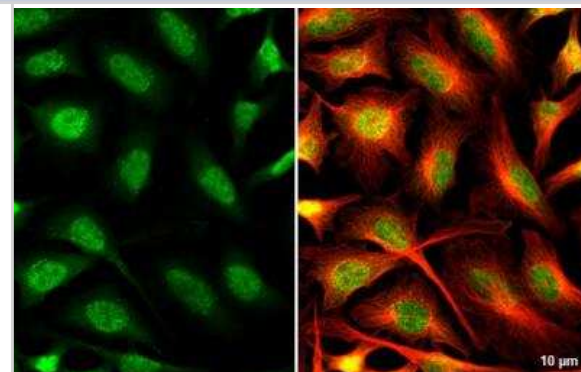
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	117 kDa

Product Description	
Host	Rabbit
Gene ID	8473
Gene Symbol	OGT
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (98%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human O-GlcNAc Transferase p110 subunit. The exact sequence is proprietary.

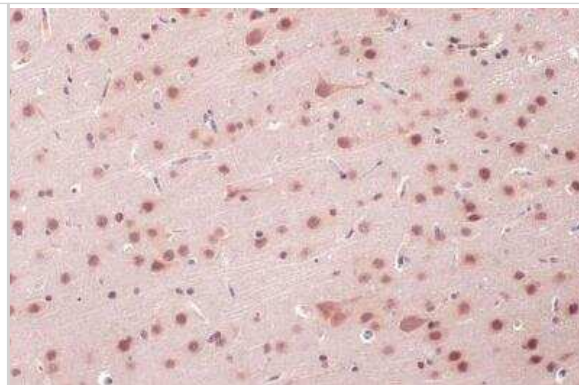
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry Assay dependent, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

Images

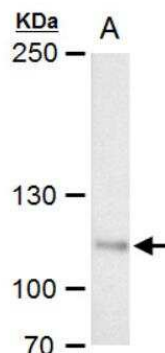
Immunocytochemistry/Immunofluorescence: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] diluted at 1:1000. Scale bar= 10um.



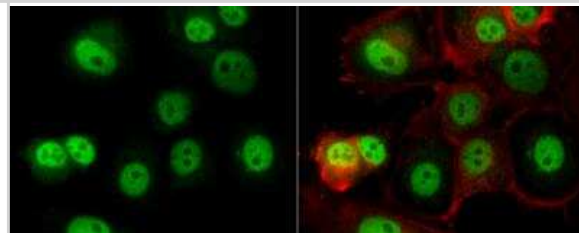
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Rat brain. O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



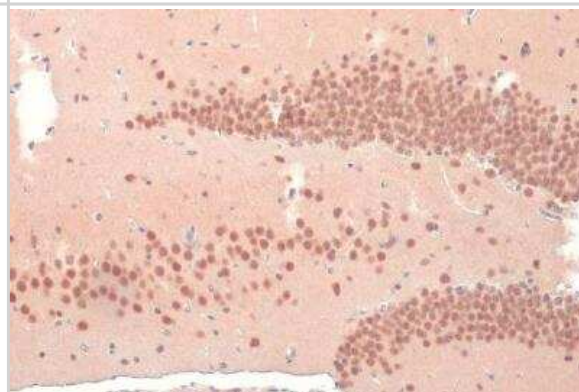
Western Blot: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - A. 30 ug PC-12 whole cell extract 5 % SDS-PAGE O-GlcNAc transferase antibody dilution: 1:1000



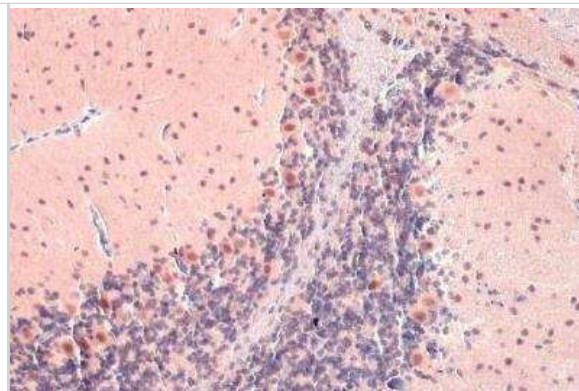
Immunocytochemistry/Immunofluorescence: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - MCF7 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: O-GlcNAc transferase protein stained by O-GlcNAc transferase antibody) diluted at 1:500. Red: phalloidin, a cytoskeleton marker, stained by phalloidin (invitrogen, A12380) diluted at 1:200.



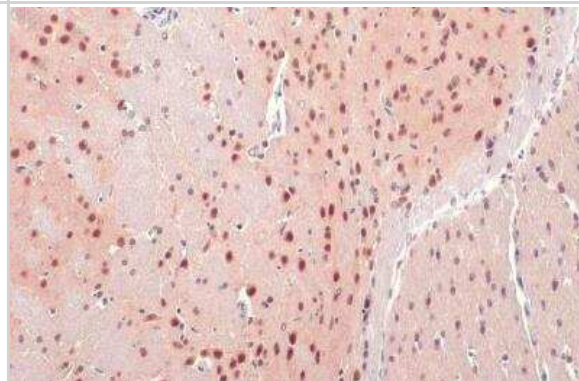
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Mouse brain. O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



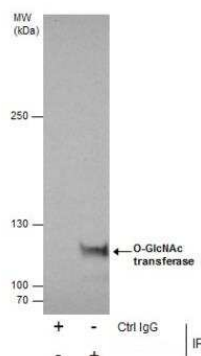
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Mouse brain. O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



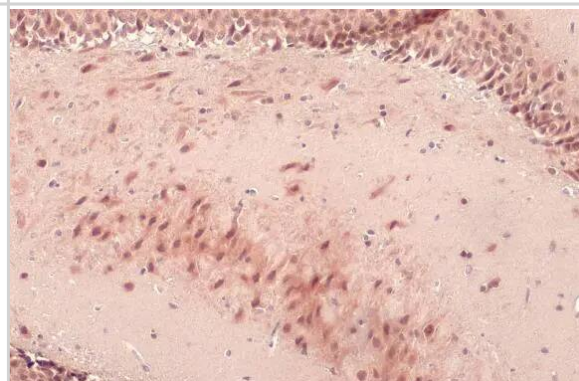
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Mouse brain. O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



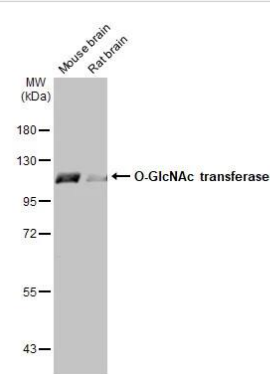
Immunoprecipitation: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Immunoprecipitation of O-GlcNAc transferase protein from A431 whole cell extracts using 5 ug of O-GlcNAc transferase antibody. Western blot analysis was performed using O-GlcNAc transferase antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



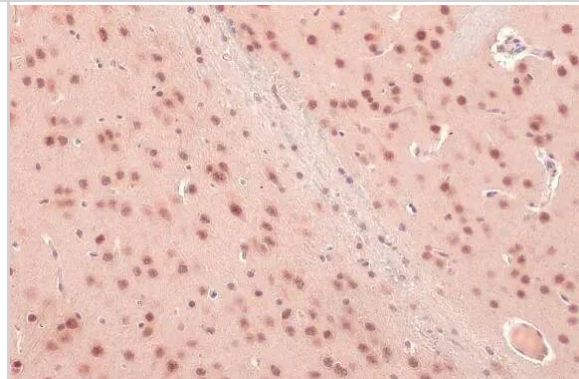
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - O-GlcNAc Transferase p110 subunit antibody detects O-GlcNAc Transferase p110 subunit protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat brain. O-GlcNAc Transferase p110 subunit stained by O-GlcNAc Transferase p110 subunit antibody (NBP1-32791) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



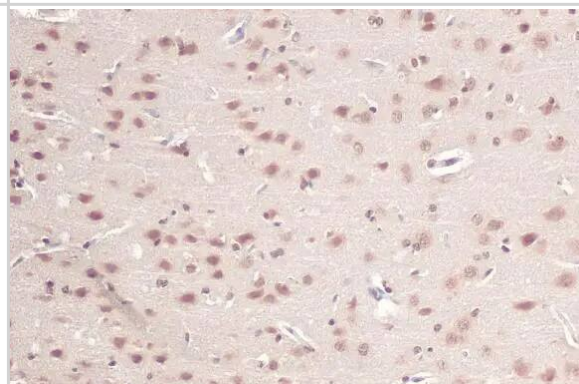
Western Blot: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Various tissue extracts (50 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with O-GlcNAc Transferase p110 subunit antibody (NBP1-32791) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



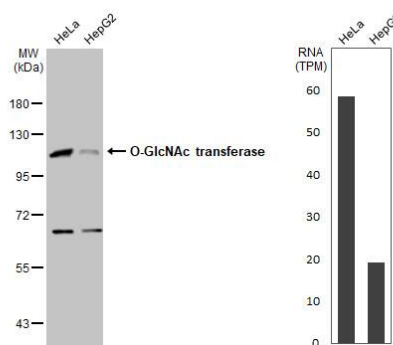
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - O-GlcNAc Transferase p110 subunit antibody detects O-GlcNAc Transferase p110 subunit protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat brain. O-GlcNAc Transferase p110 subunit stained by O-GlcNAc Transferase p110 subunit antibody (NBP1-32791) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - O-GlcNAc Transferase p110 subunit antibody detects O-GlcNAc Transferase p110 subunit protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat brain. O-GlcNAc Transferase p110 subunit stained by O-GlcNAc Transferase p110 subunit antibody (NBP1-32791) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Western Blot: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with O-GlcNAc transferase antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Publications

Shi Q, Shen Q, Liu Y et Al. Increased glucose metabolism in TAMs fuels O-GlcNAcylation of lysosomal Cathepsin B to promote cancer metastasis and chemoresistance *Cancer Cell* 2022-10-13 [PMID: 36084651]

Shen H, Zhao X, Chen J Et al. O-GlcNAc transferase Ogt regulates embryonic neuronal development through modulating Wnt/ Beta -catenin signaling *Human molecular genetics* 2021-08-04 [PMID: 34346496]

Cheng J, Wu Y, Chen L et al. Loss of O-GlcNAc transferase in neural stem cells impairs corticogenesis *Biochem. Biophys. Res. Commun.* 2020-09-04 [PMID: 32896380] (WB, Mouse)

White CW, Fan X, Maynard JC et al. Age-related loss of neural stem cell O-GlcNAc promotes a glial fate switch through STAT3 activation *Proc. Natl. Acad. Sci. U.S.A.* 2020-08-26 [PMID: 32848054] (WB, Mouse)

Ise H, Goto M, Komura K et al. Engulfment and clearance of apoptotic cells based on a GlcNAc-binding lectin-like property of surface vimentin. *Glycobiology* 2012-06-01 [PMID: 22345628] (WB)





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 NBP1-32791

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-55252PEP	O-GlcNAc Transferase p110 subunit Recombinant Protein Antigen

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/NBP1-32791

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

