

# 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](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 5

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

Updated 9/25/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-32791](http://www.novusbio.com/reviews/destination/NBP1-32791)



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

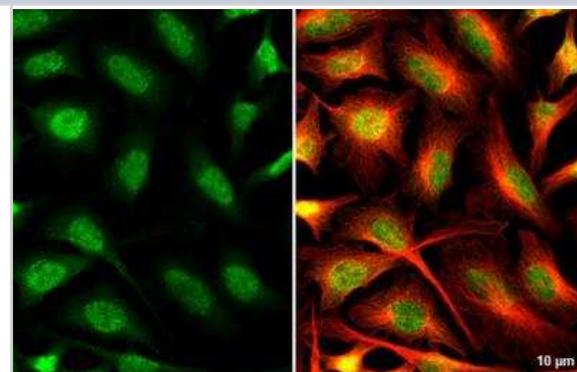
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative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

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit O-GlcNAc Transferase p110 subunit Antibody - BSA Free (NBP1-32791) is a polyclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-O-GlcNAc Transferase p110 subunit Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	8473
<b>Gene Symbol</b>	OGT
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Xenopus laevis (98%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human O-GlcNAc Transferase p110 subunit. The exact sequence is proprietary.

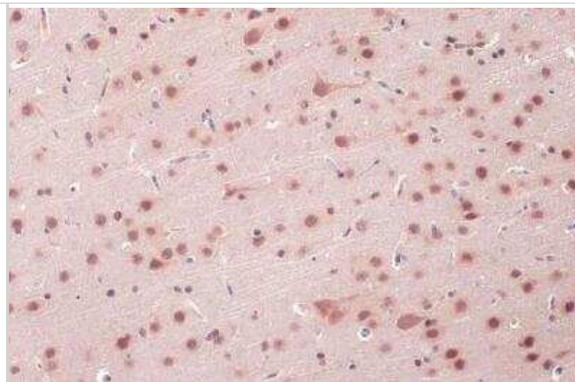
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Flow Cytometry Assay dependent, Immunohistochemistry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

**Images**

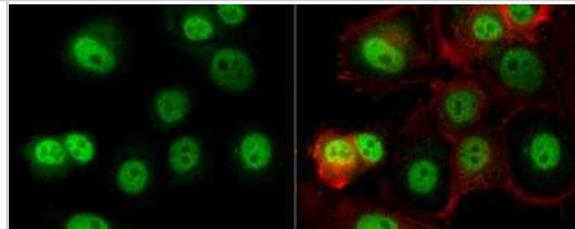
Immunocytochemistry/Immunofluorescence: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by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



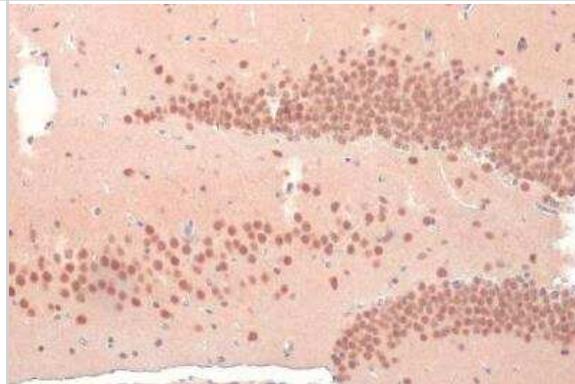
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Rat brain. O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



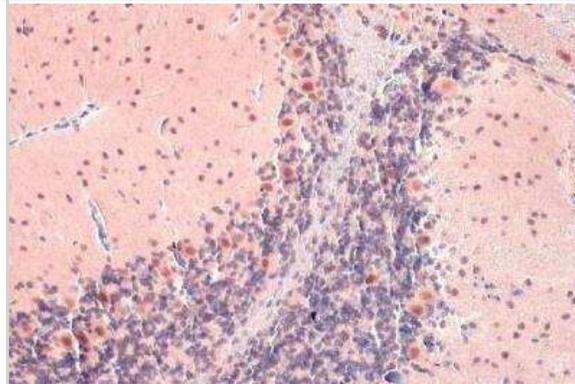
Immunocytochemistry/Immunofluorescence: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - MCF7 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: O-GlcNAc transferase protein stained by O-GlcNAc transferase antibody (diluted at 1:500). Red: phalloidin, a cytoskeleton marker, stained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



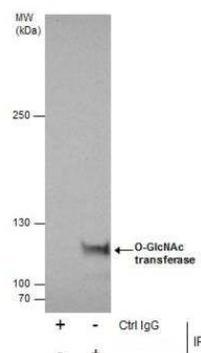
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Mouse brain. O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



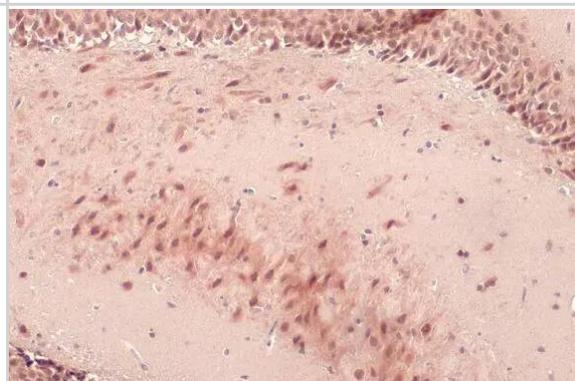
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Mouse brain. O-GlcNAc transferase stained by O-GlcNAc transferase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



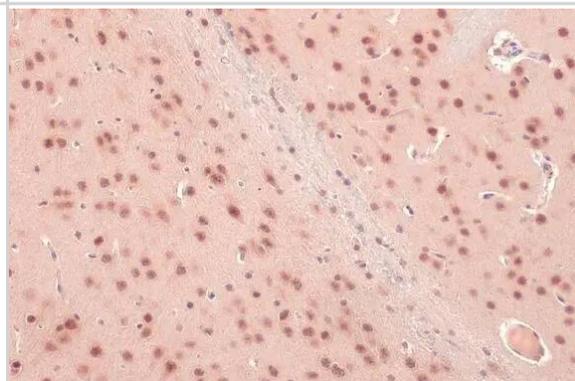
Immunoprecipitation: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - Immunoprecipitation of O-GlcNAc transferase protein from A431 whole cell extracts using 5 ug of O-GlcNAc transferase antibody. Western blot analysis was performed using O-GlcNAc transferase antibody. EasyBlot anti-Rabbit IgG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



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

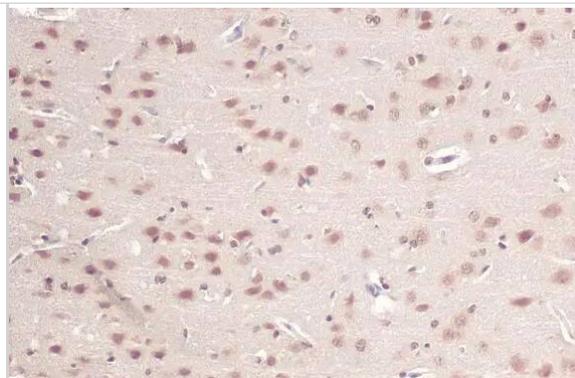


Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NBP1-32791] - O-GlcNAc Transferase p110 subunit antibody detects O-GlcNAc Transferase p110 subunit protein at cytoplasm and nucleus by immunohistochemical analysis.

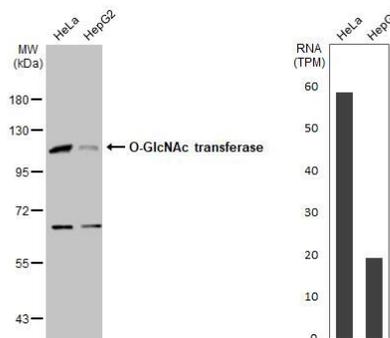
Sample: Paraffin-embedded rat brain.

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.



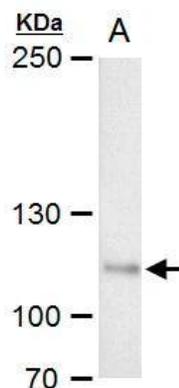
O-GlcNAc Transferase p110 subunit antibody detects O-GlcNAc Transferase p110 subunit protein by western blot analysis.

A. 30 ug PC-12 whole cell extract

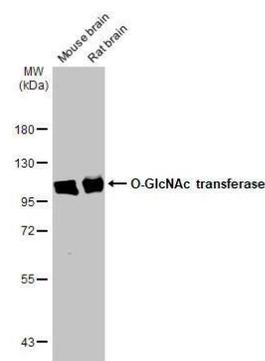
5% SDS-PAGE

O-GlcNAc Transferase p110 subunit antibody (NBP1-32791) dilution: 1:1000

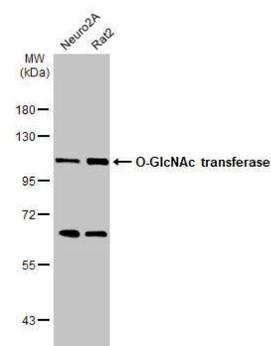
The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



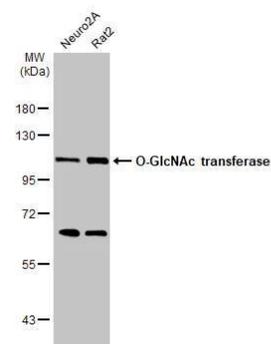
Various tissue extracts (50 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with O-GlcNAc Transferase p110 subunit antibody (NBP1-32791) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 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.



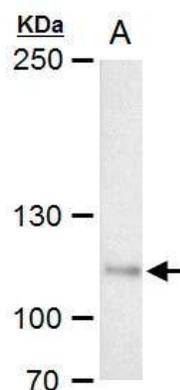
Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with O-GlcNAc transferase antibody (NBP1-32791) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



O-GlcNAc transferase antibody detects O-GlcNAc transferase protein by western blot analysis.

A. 30 ug PC-12 whole cell extract  
5% SDS-PAGE

O-GlcNAc transferase antibody (NBP1-32791) dilution: 1:1000  
The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## 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**

---

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

---

### **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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-32791](http://www.novusbio.com/reviews/submit/NBP1-32791)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

