Product Datasheet

O-GlcNAc Transferase p110 subunit Antibody
NB100-57845

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 1

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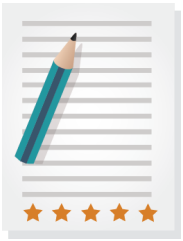
Updated 10/23/2024 v.20.1



NB100-57845

O-GlcNAc Transferase p110 subunit Antibody

Product Information

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

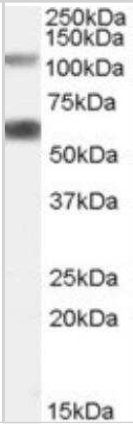
Host	Goat
Gene ID	8473
Gene Symbol	OGT
Species	Human, Rat
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_858058.1 and NP_858059.1
Immunogen	Peptide with sequence C-YEHPKDLKLSDGR, from the internal region of the protein sequence according to NP_858058.1; NP_858059.1.

Product Application Details

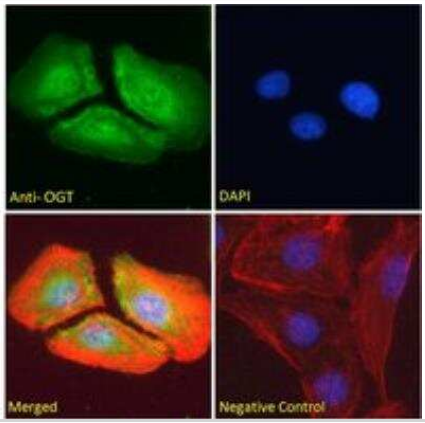
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.05 - 0.2 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry 5 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 5 ug/mL, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Approx 110k Da band observed in pancreas lysates from rat (calculated MW of 117 kDa according to NP_858058.1. An additional band of unknown identity was also consistently observed at 60 kDa. This band was successfully blocked by incubation with the immunizing peptide.

Images

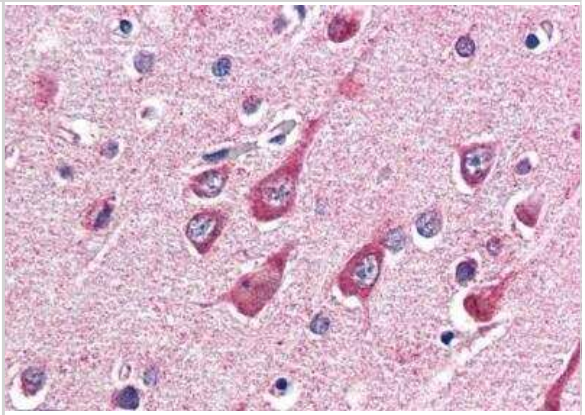
Western Blot: O-GlcNAc Transferase p110 subunit Antibody [NB100-57845] - Rat pancreas lysate (35 ug protein in RIPA buffer). Primary antibody at 0.05 ug/mL, 1 hr incubation. Detected by chemiluminescence.



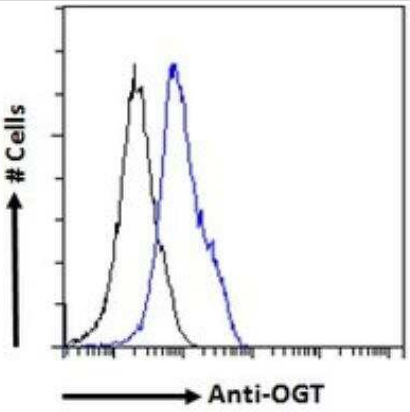
Immunocytochemistry/Immunofluorescence: O-GlcNAc Transferase p110 subunit Antibody [NB100-57845] - Paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and membrane/cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



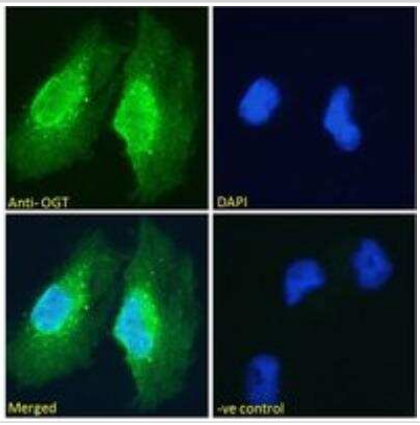
Immunohistochemistry-Paraffin: O-GlcNAc Transferase p110 subunit Antibody [NB100-57845] - Human cortex tissue. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



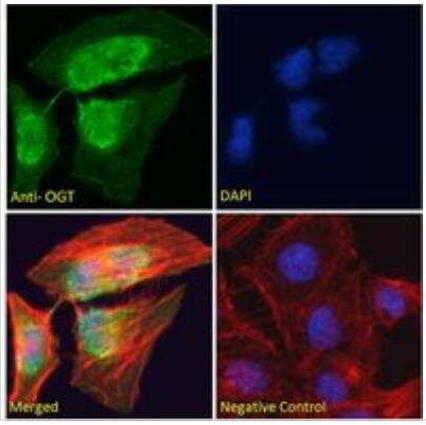
Flow Cytometry: O-GlcNAc Transferase p110 subunit Antibody [NB100-57845] - Paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/Immunofluorescence: O-GlcNAc Transferase p110 subunit Antibody [NB100-57845] - Paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunocytochemistry/Immunofluorescence: O-GlcNAc Transferase p110 subunit Antibody [NB100-57845] - Paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Publications

Majumdar G, Wright J, Markowitz P et al. Insulin stimulates and diabetes inhibits O-linked N-acetylglucosamine transferase and O-glycosylation of Sp1. Diabetes 2004-12-01 [PMID: 15561949]

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Products Related to NB100-57845

NBL1-13919	O-GlcNAc Transferase p110 subunit Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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.

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