

KD-Validated Anti-OGT Recombinant Rabbit Monoclonal Antibody



Catalog #: 61307

Aliases

OGT; O-Linked N-Acetylglucosamine (GlcNAc) Transferase; O-GLCNAC; HRNT1; OGT1; O-Linked N-Acetylglucosamine (GlcNAc) Transferase (UDP-N-Acetylglucosamine:Polypeptide-N-Acetylglucosaminyl Transferase); UDP-N-Acetylglucosamine--Peptide N-Acetylglucosaminyltransferase 110 KDa Subunit; UDP-N-Acetylglucosamine:Polypeptide-N-Acetylglucosaminyl Transferase; O-Linked N-Acetylglucosamine Transferase 110 KDa Subunit; O-GlcNAc Transferase Subunit P110; MGC22921; FLJ23071; Uridinediphospho-N-Acetylglucosamine:Polypeptide Beta-N-Acetylglucosaminyl Transferase; O-GlcNAc Transferase P110 Subunit; EC 2.4.1.255; EC 2.4.1.186; HINCUT-1; EC 2.4.1; XLID106; MRX106

Background

Gene Name: OGT

NCBI Gene Entry: [8473](#)

UniProt Entry: [O15294](#)

Application Information

Molecular Weight: Predicted, 117 kDa, observed, 110 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB2185

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human OGT/O-Linked N-Acetylglucosamine Transferase

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western blotting (WB): 1:1,000-1:5,000

SUPPORT

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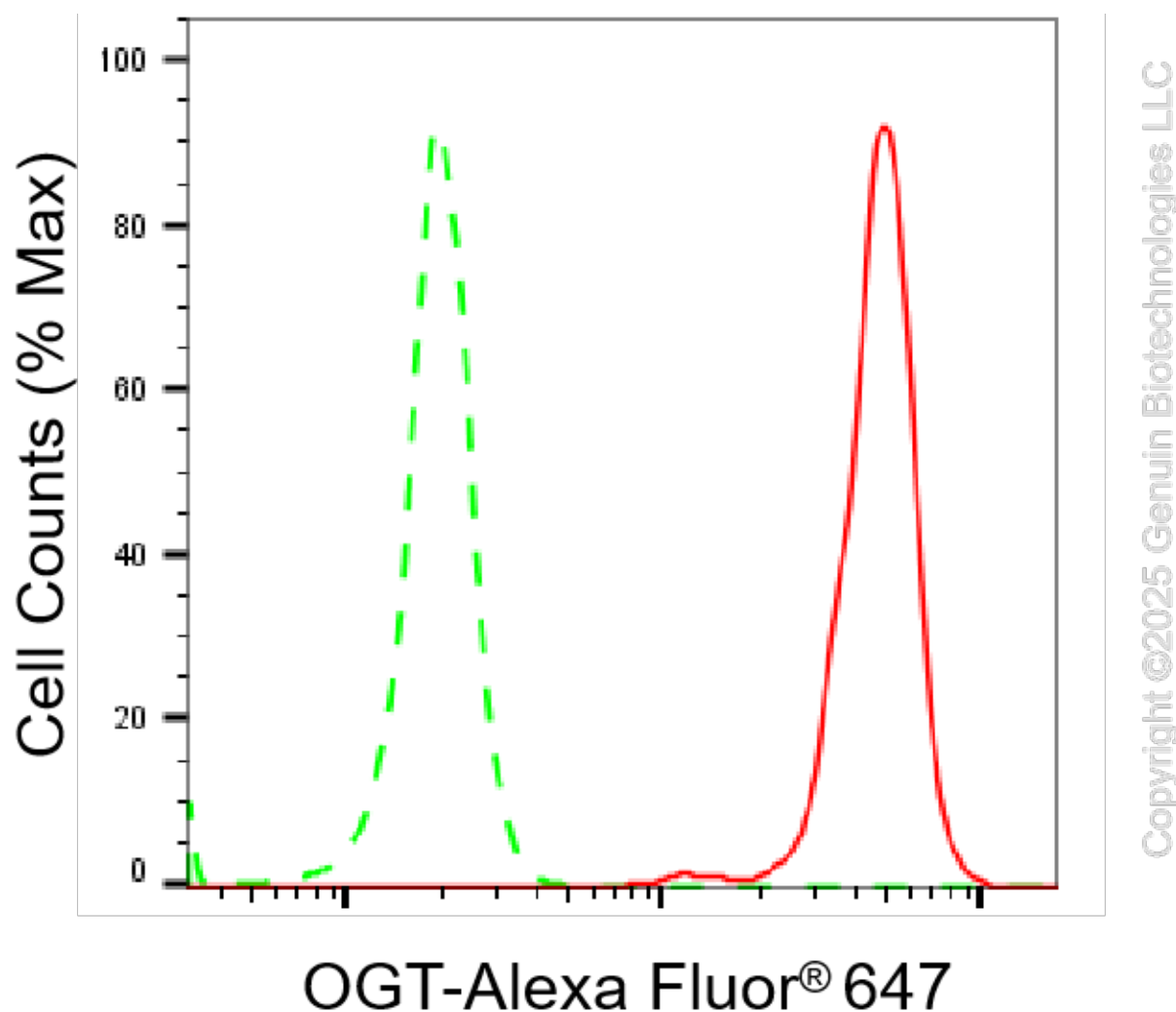
PAGE 2

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data



Flow cytometric analysis of OGT expression in C2C12 cells using OGT antibody (Cat#61307, 1:2,000). Green, isotype control; red, OGT.

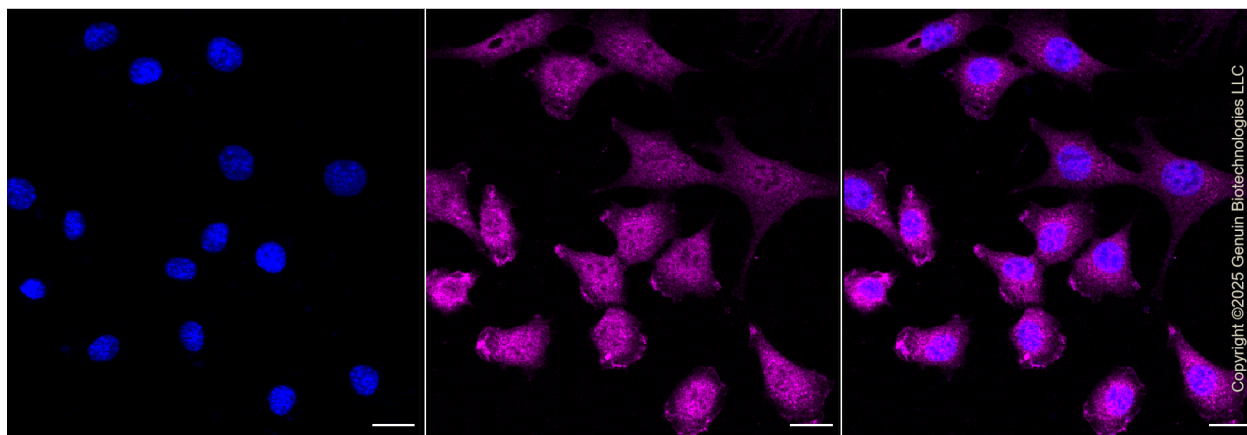
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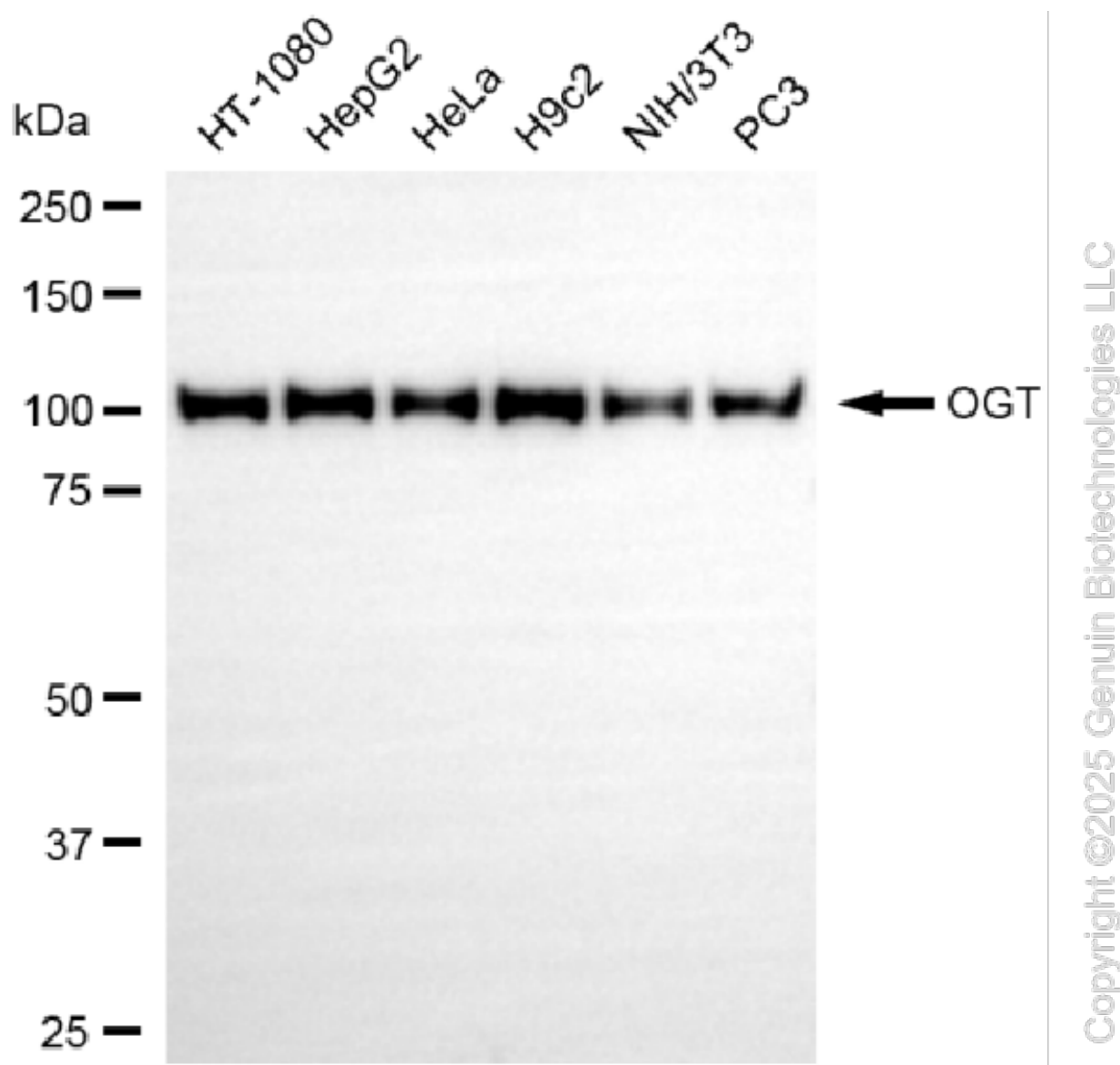
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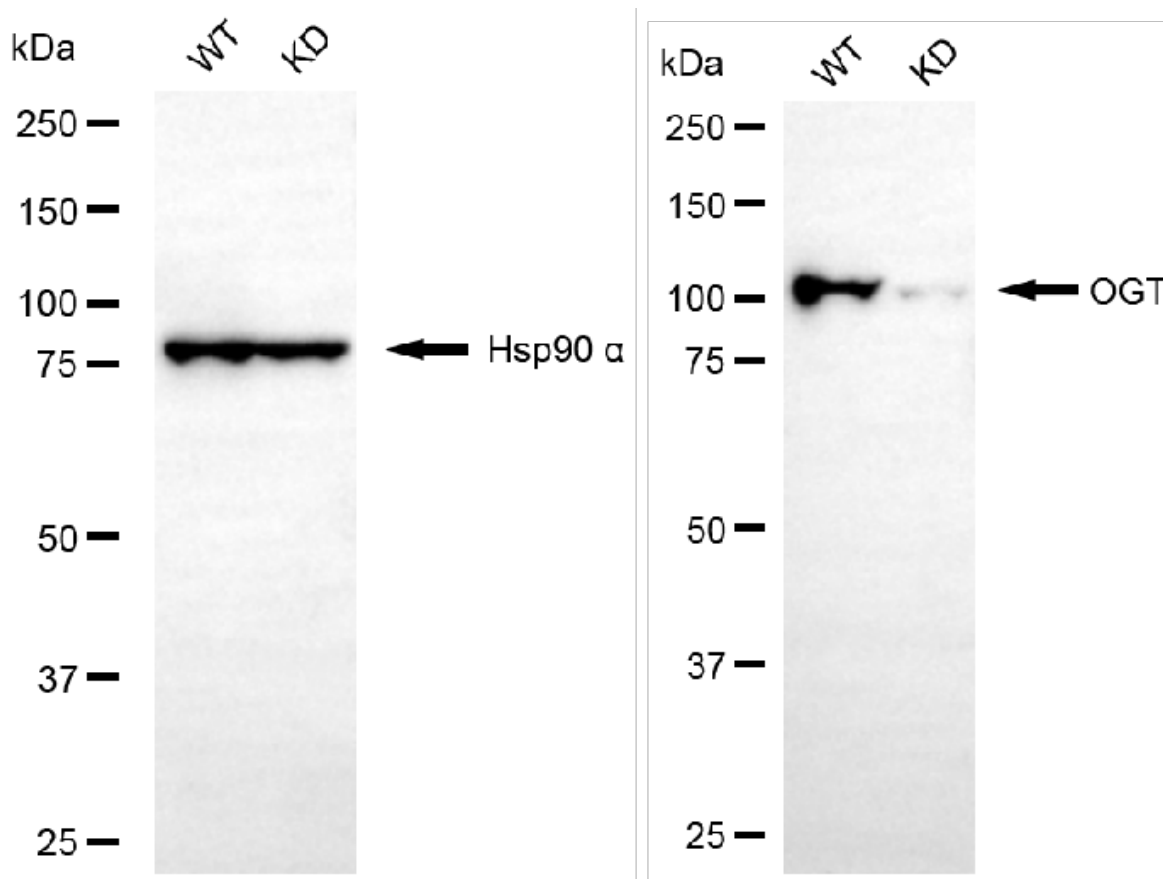
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Immunocytochemical staining of C2C12 cells with OGT antibody (Cat#61307, 1:1,000). Nuclei were stained blue with DAPI; OGT was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-OGT antibody (Cat#61307). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-OGT antibody (Cat#61307, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Western blotting analysis using anti-OGT antibody (Cat#61307). OGT expression in wild-type (WT) and OGT knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-OGT antibody (Cat#61307, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).