


Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody ab96718

★★★★★ [11 Abreviews](#) [36 References](#) [画像数 10](#)

製品の概要

製品名	Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody
製品の詳細	Rabbit polyclonal to OGT / O-Linked N-Acetylglucosamine Transferase
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-P, IP
種交差性	交差種: Mouse, Rat, Human, Zebrafish 交差が予測される動物種: Cow, Pig 
免疫原	Recombinant fragment corresponding to Human OGT/ O-Linked N-Acetylglucosamine Transferase aa 213-462. Database link: O15294
ポジティブ・コントロール	WB: HeLa, PC-12 cells. Mouse brain tissue extracts. ICC/IF: MCF7, DU145, HeLa cells. IHC-P: Cal27 Xenograft. Rat hind brain. IP: A431 cells.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

アイソタイプIgG

アプリケーション

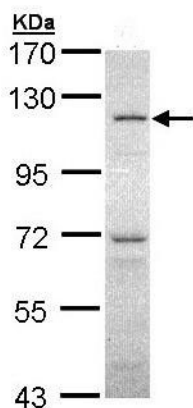
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab96718の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
WB	★★★★★ (8)	1/500 - 1/3000. Predicted molecular weight: 117 kDa.
IHC-P	★★★★★ (1)	1/100 - 1/1000.
IP		1/100 - 1/500.

ターゲット情報

機能	Addition of nucleotide-activated sugars directly onto the polypeptide through O-glycosidic linkage with the hydroxyl of serine or threonine. Mediates the O-glycosylation of MLL5 and HCFC1. Promotes proteolytic maturation of HCFC1.
組織特異性	Highly expressed in pancreas and to a lesser extent in skeletal muscle, heart, brain and placenta. Present in trace amounts in lung and liver.
パスウェイ	Protein modification; protein glycosylation.
配列類似性	Belongs to the O-GlcNAc transferase family. Contains 13 TPR repeats.
ドメイン	The TPR repeat domain mediates recognition of protein substrates.
翻訳後修飾	Ubiquitinated, leading to its proteasomal degradation.
細胞内局在	Cytoplasm. Nucleus. Mostly in the nucleus.

画像

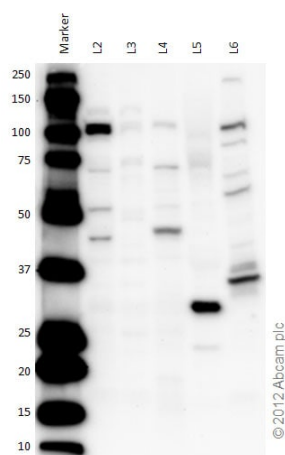


Western blot - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718) at 1/1000 dilution + HeLa whole cell lysate at 30 µg

Predicted band size: 117 kDa

7.5% SDS PAGE



Western blot - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

All lanes : Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718) at 1 µg/ml

Lane 1 : Marker

Lane 2 : Zebrafish brain homogenate at 20 µg

Lane 3 : Zebrafish heart homogenate at 20 µg

Lane 4 : Zebrafish liver homogenate at 20 µg

Lane 5 : Zebrafish skeletal muscle homogenate at 20 µg

Lane 6 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 20 µg

Secondary

All lanes : Goat polyclonal to Rabbit IgG – H&L – Pre-Adsorbed (HRP) at 1/6000 dilution

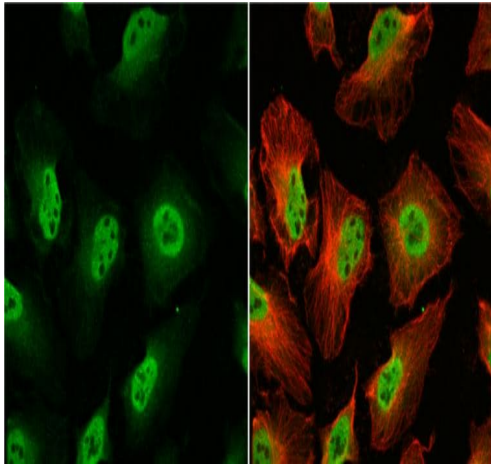
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 117 kDa

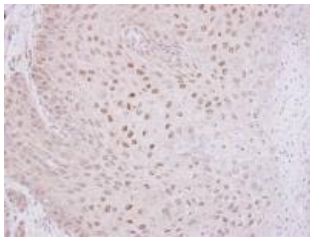
Observed band size: 117 kDa

Exposure time: 5 minutes



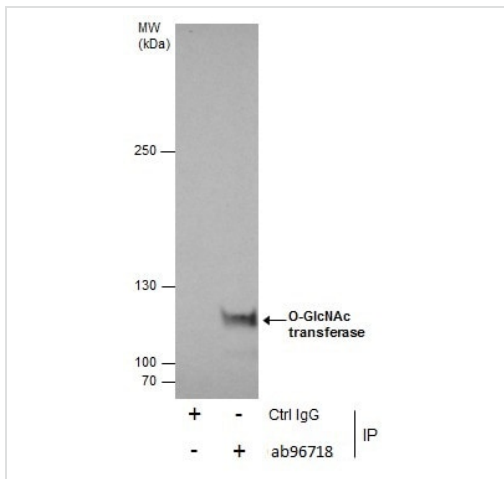
HeLa cells stained for O-GlcNAc (green) using ab96718 at 1/200 dilution in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

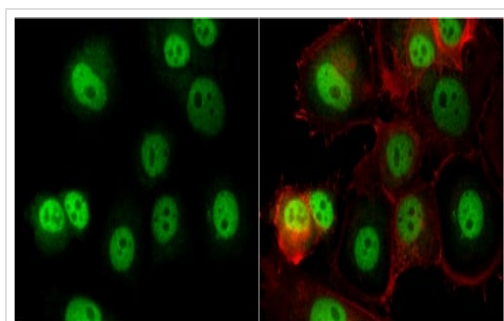


Immunohistochemical analysis of paraffin-embedded Cal27 Xenograft, using ab96718 at 1/100 dilution.

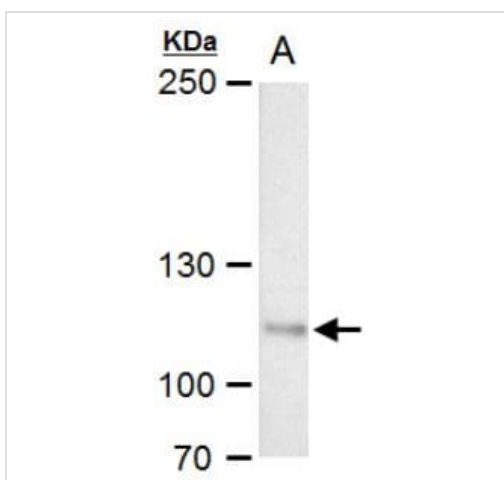
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)



Immunoprecipitation - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)



Immunocytochemistry/ Immunofluorescence - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

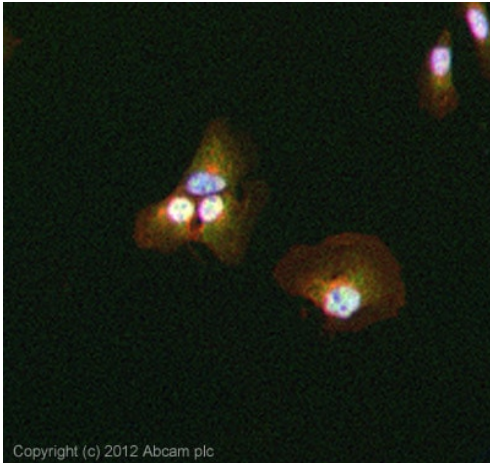


Western blot - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718) at 1/1000 dilution + PC-12 whole cell extract at 30 µg

Predicted band size: 117 kDa

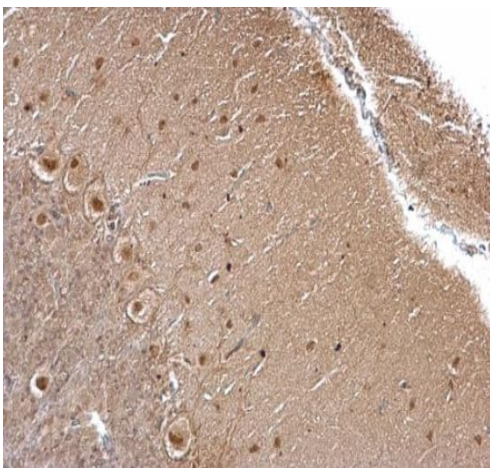
5% SDS-PAGE



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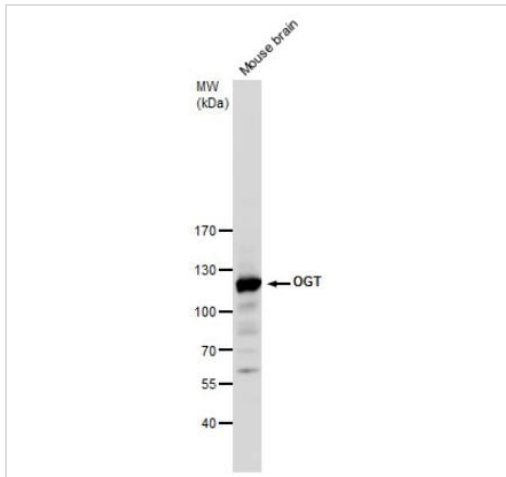
Immunocytochemistry/ Immunofluorescence - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

ICC/IF image of ab96718 stained DU145 cells. The cells were 4% paraformaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab96718, 1µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

Paraffin embedded rat hind brain tissue stained for O-GlcNAc using ab96718 at 1/500 in immunohistochemical analysis.



Western blot - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718)

Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab96718) at 1/2000 dilution + Mouse brain tissue extract at 50 µg

Predicted band size: 117 kDa

7.5% SDS-PAGE

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