


Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody ab106319

画像数 2

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: WB, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Rabbit, Horse, Cow, Dog, Pig, Gorilla, Chinese hamster, Orangutan 
免疫原	Synthetic peptide corresponding to Human OGT/ O-Linked N-Acetylglucosamine Transferase aa 500-600 conjugated to keyhole limpet haemocyanin. (Peptide available as ab129221)
ポジティブ・コントロール	This antibody gave a positive signal in both HeLa and A549 whole cell lysates and HepG2 cell line.
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: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

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

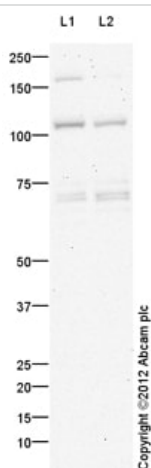
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab106319の使用に適用されず
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 116 kDa (predicted molecular weight: 116 kDa).
ICC/IF		Use a concentration of 5 µg/ml.

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 (ab106319)

All lanes : Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab106319) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

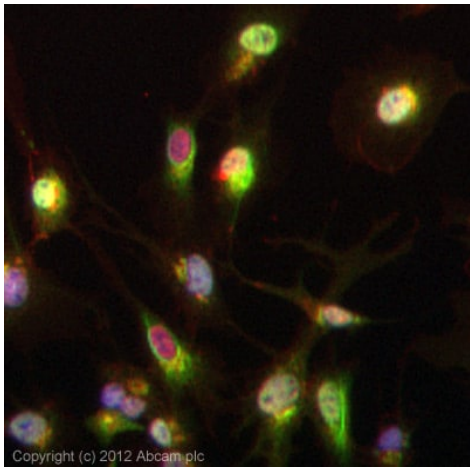
Performed under reducing conditions.

Predicted band size: 116 kDa

Observed band size: 116 kDa

Additional bands at: 170 kDa, 72 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes



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Immunocytochemistry/ Immunofluorescence - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab106319)

ICC/IF image of ab106319 stained HepG2 cells. The cells were 4% formaldehyde 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 (ab106319, 5µg/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. This antibody also gave a positive result in 4% formaldehyde fixed (10 min) MCF7 cells at 5µg/ml.

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