


Product datasheet

Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody ab59135

[3 References](#) [1 Image](#)

Overview

Product name	Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody
Description	Goat polyclonal to OGT / O-Linked N-Acetylglucosamine Transferase
Host species	Goat
Specificity	ab59135 is expected to recognize both reported isoforms of O-Linked N-Acetylglucosamine
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Cow, Dog, Pig, Xenopus laevis, Zebrafish 
Immunogen	Synthetic peptide: C-YEHPKDLKLSGGR by a Cysteine residue linker, corresponding to amino acids 543-555 of Human O-Linked N-Acetylglucosamine

 [Run BLAST with](#)

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General notes

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab59135 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.05 - 0.2 µg/ml. Detects a band of approximately 110 kDa. A 1 hour primary incubation is recommended for this product.

Target

Function

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.

Tissue specificity

Highly expressed in pancreas and to a lesser extent in skeletal muscle, heart, brain and placenta. Present in trace amounts in lung and liver.

Pathway

Protein modification; protein glycosylation.

Sequence similarities

Belongs to the O-GlcNAc transferase family.
Contains 13 TPR repeats.

Domain

The TPR repeat domain mediates recognition of protein substrates.

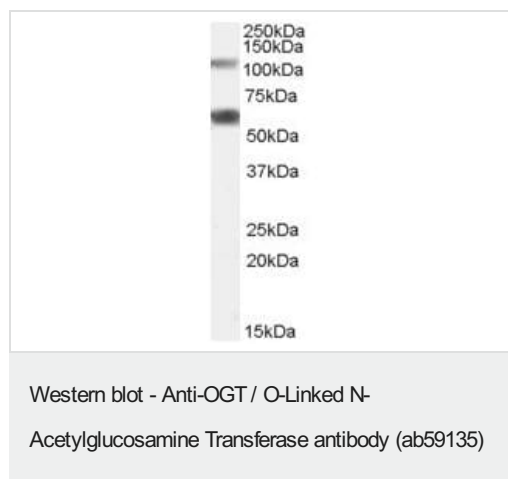
Post-translational modifications

Ubiquitinated, leading to its proteasomal degradation.

Cellular localization

Cytoplasm. Nucleus. Mostly in the nucleus.

Images



Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab59135) at 0.05 µg/ml + Rat pancreas lysate in RIPA buffer at 35 µg

Observed band size: 110 kDa

Additional bands at: 60 kDa. We are unsure as to the identity of these extra bands.

An additional band of unknown identity was also consistently

observed at 60kDa. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

Preliminary testing was unsuccessful on Mouse Brain for this particular batch.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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