

Datasheet for ABIN2856738  
**anti-OGT antibody (N-Term)**

## 5 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	OGT
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Whole Mount) (IHC (wm))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human O-GlcNAc transferase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to O-GlcNAc transferase (O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)) O-GlcNAc transferase antibody [N1N2], N-term
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	OGT
Alternative Name:	O-linked N-acetylglucosamine (GlcNAc) transferase ( <a href="#">OGT Products</a> )
Background:	<p>O-linked N-acetylglucosamine (O-GlcNAc) transferase (OGT) catalyzes the addition of a single N-acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both phosphorylation and glycosylation compete for similar serine or threonine residues, the two processes may compete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostatic effects. The protein contains nine tetratricopeptide repeats and a putative bipartite nuclear localization signal. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.</p> <p>Cellular Localization: Cytoplasm (Potential) , Nucleus</p>
Molecular Weight:	117 kDa
Gene ID:	8473
UniProt:	<a href="#">O15294</a>
Pathways:	<a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , HeLa , PC-12 , Rat2
Restrictions:	For Research Use only

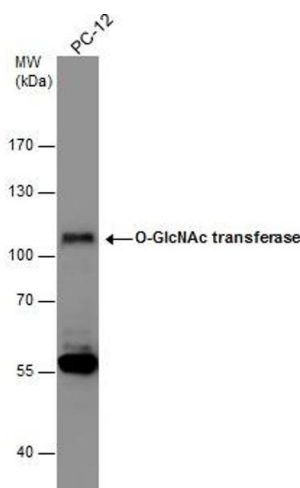
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

## Handling

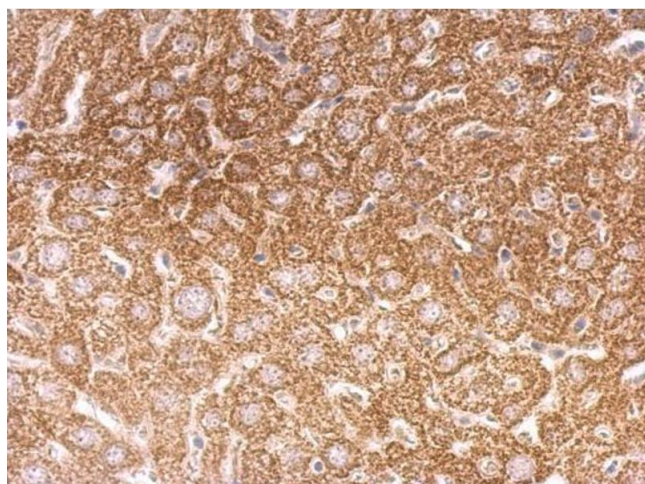
**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Validation report #101404 for ELISA (ELISA)



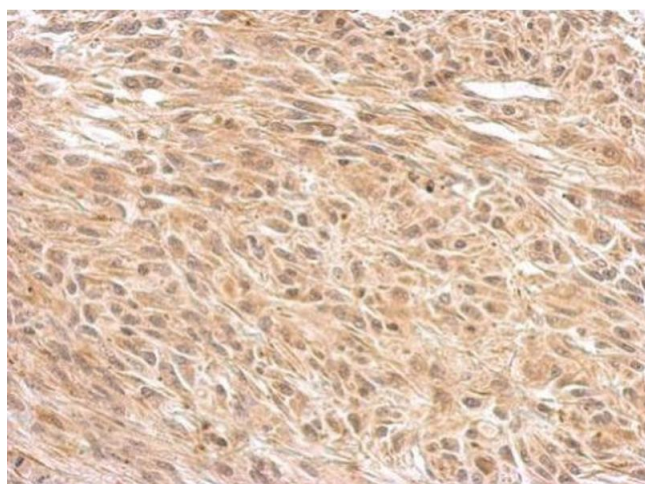
### Western Blotting

**Image 1.** WB Image Whole cell extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with O-GlcNAc transferase antibody [N1N2], N-term, diluted at 1:1000.



### Immunohistochemistry

**Image 2.** IHC-P Image O-GlcNAc transferase antibody [N1N2], N-term detects O-GlcNAc transferase protein at cytosol on mouse liver by immunohistochemical analysis. Sample: Paraffin-embedded mouse liver. O-GlcNAc transferase antibody [N1N2], N-term, dilution:



### Immunohistochemistry

**Image 3.** IHC-P Image O-GlcNAc transferase antibody [N1N2], N-term detects OGT protein at cytosol on U373 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded U373 xenograft. O-GlcNAc transferase antibody [N1N2], N-term, dilution: 1:500.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2856738.