

Datasheet for ABIN2856718

**anti-OGT antibody**

8 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	OGT
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)), Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human O-GlcNAc transferase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
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
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. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: PC-12 , mouse brain Validation: Orthogonal
Restrictions:	For Research Use only

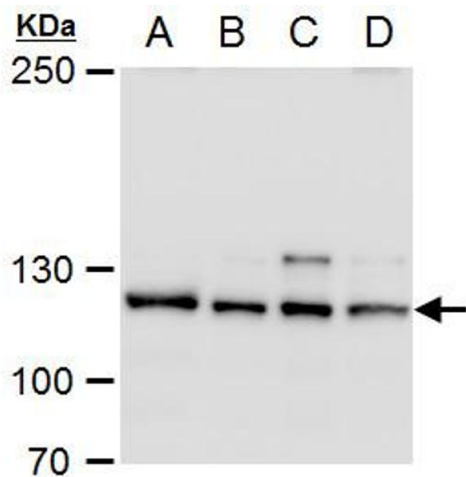
## Handling

Format:	Liquid
Concentration:	1.39 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

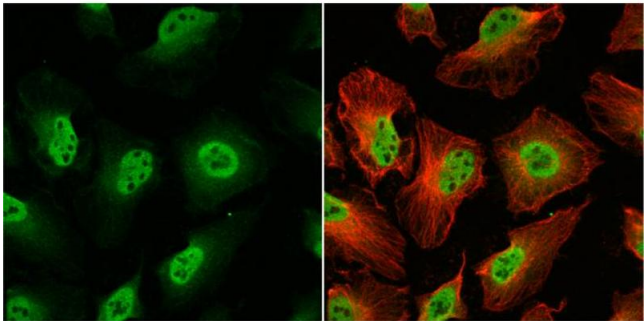
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #101746 for Immunofluorescence (IF)



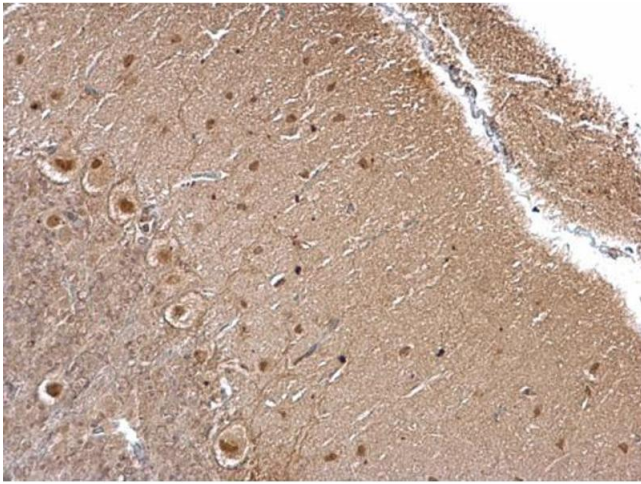
**Western Blotting**

**Image 1.** WB Image O-GlcNAc transferase antibody detects O-GlcNAc transferase protein by western blot analysis. A. 30 µg 293T whole cell extract B. 30 µg A431 whole cell extract C. 30 µg HeLa whole cell extract D. 30 µg HepG2 whole cell extract 5 % SDS-PAGE O-GlcNAc transferase antibody , dilution: 1:1000



**Immunofluorescence**

**Image 2.** ICC/IF Image O-GlcNAc transferase antibody detects O-GlcNAc transferase protein at nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: O-GlcNAc transferase protein stained by O-GlcNAc transferase antibody , diluted at 1:200. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] , diluted at 1:1000.



#### Immunohistochemistry

**Image 3.** IHC-P Image O-GlcNAc transferase antibody detects O-GlcNAc transferase protein at cytoplasm and nucleus on rat hind brain by immunohistochemical analysis. Sample: Paraffin-embedded rat hind brain. O-GlcNAc transferase antibody , diluted at 1:500.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2856718.