

# OGT Rabbit mAb

Catalog No.: A3501

Recombinant

2 Publications

## Basic Information

### Observed MW

110kDa

### Calculated MW

117kDa

### Category

Primary antibody

### Applications

WB, ELISA, ChIP

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0790

## Background

This gene encodes a glycosyltransferase that 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 multiple tetratricopeptide repeats that are required for optimal recognition of substrates. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:1000 - 1:6000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**ChIP** 5µg antibody for 10µg-15µg of Chromatin

## Contact

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## Immunogen Information

### Gene ID

8473

### Swiss Prot

O15294

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

OGT1; HRNT1; MRX106; XLID106; HINCUT-1; O-GLCNAC; OGT

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

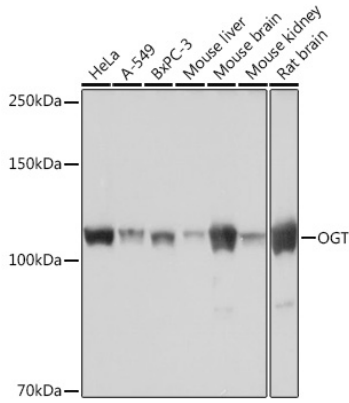
Affinity purification

### Storage

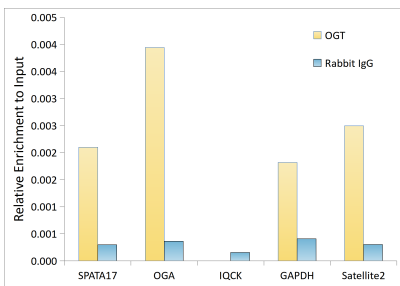
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of various lysates using OGT Rabbit mAb (A3501) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Chromatin immunoprecipitation analysis of extracts of 293T cells, using OGT Rabbit mAb antibody (A3501) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.