

OGT Rabbit mAb

Catalog No.: A3501

Recombinant

1 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 1:500 - 1:2000**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

Immunogen Information

Gene ID

8473

Swiss Prot

O15294

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 947-1046 of human OGT (O15294).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

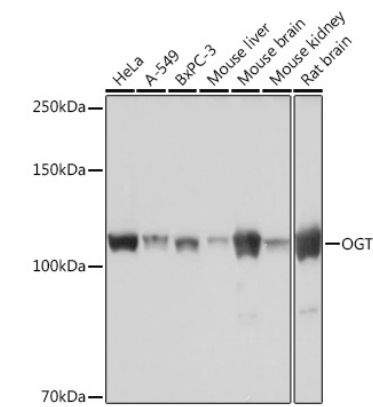
Affinity purification

Storage

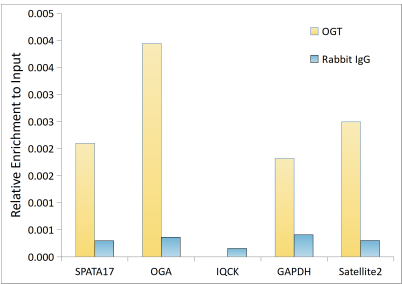
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

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.