

OGT

Reactivity: Human Mouse Rat

Tested applications: WB IHC IP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IP 1:20 - 1:50

Calculated MW: 117kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human OGT

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

FLJ23071; HRNT1; MGC22921; O-GLCNAC;

Catalog #: A2214

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 8473

Isotype: IgG

Swiss Prot: O15294

Purity: Affinity purification

For research use only.

Background:

O-GlcNAcylation is a post-translational modification where -D-N-acetylglucosamine (GlcNAc) is covalently linked to cytoplasmic and nuclear proteins at serine or threonine residues (1,2). This modification is important in many cellular processes including metabolism, cell growth and morphogenesis, apoptosis, and transcription (2,3), and research studies have implicated this modification in cancer (1). The reversible protein modification by O-GlcNAc, which has been suggested to be a nutrient and stress sensor, is catalyzed by two highly conserved enzymes, O-GlcNAc transferase (OGT) and O-GlcNAcase (OGA) (4).

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