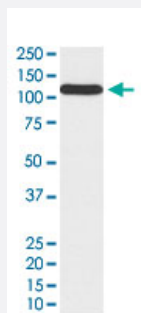


# OGT monoclonal antibody, clone AEDG-15

Catalog # MAB22046

Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of A549 cell lysate.

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against synthetic protein of human OGT.
<b>Immunogen</b>	A synthetic peptide corresponding to human OGT.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	This antibody reacts with human, mouse, rat OGT, in native form and recombinant. Superfamily members of OGT are not reactive to antibody.
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Flow Cytometry (1:50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Immunofluorescence (1:50-200) Immunocytochemistry (1:50-200) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of A549 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunofluorescence
- Flow Cytometry

## Gene Info — OGT

Entrez GeneID	<a href="#">8473</a>
Protein Accession#	<a href="#">O15294</a>
Gene Name	OGT
Gene Alias	FLJ23071, HRNT1, MGC22921, O-GLCNAC
Gene Description	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)
Omim ID	<a href="#">300255</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

O-GlcNAc transferase p110 subunit|O-linked GlcNAc transferase|OTTHUMP00000032154|OTTHUMP00000032166|uridinediphospho-N-acetylglucosamine:polypeptide beta-N-acetylglucosaminyl transferase

**Pathway**

- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)

**Disease**

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)