## OGT rabbit monoclonal antibody

Catalog # H00008473-K

Specification

Size 100 ug x up to 3

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Product Description	Rabbit monoclonal antibody raised against a human OGT peptide using ARM Technology.
Immunogen	A synthetic peptide of human OGT is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
lsotype	lgG
Quality Control Testing	Antibody reactive against human OGT peptide by ELISA and mammalian transfected lysate by West ern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	<ol> <li>Customer may provide cell or tissue lysate for antibody screening.</li> <li>Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding F(ab)<sub>2</sub>, IgG, scFv and different Fc and non-Fc conjugates per customer request.</li> </ol>

## Applications

• Western Blot (Transfected lysate)

Protocol Download



• ELISA

Gene Info — OGT	
Entrez GenelD	<u>8473</u>
GeneBank Accession#	OGT
Gene Name	OGT
Gene Alias	FLJ23071, HRNT1, MGC22921, O-GLCNAC
Gene Description	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-ac etylglucosaminyl transferase)
Omim ID	300255
Gene Ontology	Hyperlink
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 phosphoryl ation and glycosylation compete for similar serine or threonine residues, the two processes may c ompete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostati c effects. The protein contains nine tetratricopeptide repeats and a putative bipartite nuclear locali zation signal. Two alternatively spliced transcript variants encoding distinct isoforms have been fo und for this gene. [provided by RefSeq
Other Designations	O-GlcNAc transferase p110 subunit O-linked GlcNAc transferase OTTHUMP00000032154 OTTH UMP00000032166 uridinediphospho-N-acetylglucosamine:polypeptide beta-N-acetylglucosamin yl transferase

## Pathway

- <u>Metabolic pathways</u>
- O-Glycan biosynthesis

## Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms