

## Product datasheet for **TA302556**

### OGT Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:64,000. WB: 0.05-0.2µg/ml.An
Reactivity:	Mouse, Rat (Expected from sequence similarity: Human, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-YEHPKDLKLSGDR, from the internal region of the protein sequence according to NP_858058.1; NP_858059.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	120561 Da
Gene Name:	O-linked N-acetylglucosamine (GlcNAc) transferase
Database Link:	<a href="#">NP_858058</a> <a href="#">Entrez Gene 26295 Rat</a> <a href="#">Entrez Gene 108155 Mouse</a> <a href="#">Entrez Gene 480955 Dog</a> <a href="#">Entrez Gene 8473 Human</a> <a href="#">O15294</a>



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**Background:** 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]

**Synonyms:** HRNT1; O-GLCNAC

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, O-Glycan biosynthesis

**Product images:**



TA302556 (0.05ug/ml) staining of Rat Pancreas lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.