

Product datasheet for **TA331012**

OGT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-OGT antibody: synthetic peptide directed towards the N terminal of human OGT. Synthetic peptide located within the following region: ASSVGNVADSTEPTKRMLSFQGLAELAHREYQAGDFEAAERHCMQLWRQE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	117 kDa
Gene Name:	O-linked N-acetylglucosamine (GlcNAc) transferase
Database Link:	NP_858058 Entrez Gene 8473 Human O15294



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Background:

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. 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.

Synonyms:

HRNT1; O-GLCNAC

Note:

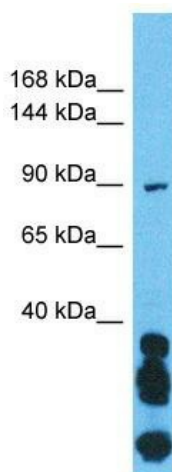
Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

Protein Families:

Druggable Genome

Protein Pathways:

Metabolic pathways, O-Glycan biosynthesis

Product images:

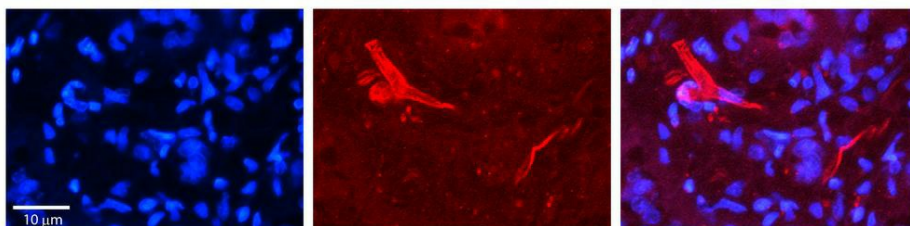
Host: Rabbit

Target Name: OGT

Sample Tissue: 721_B Cell Lysate

Antibody Dilution: 1.0µg/ml

Host: Rabbit; Target Name: OGT; Sample Tissue: 721_B Whole Cell lysates; Antibody Dilution: 1.0ug/ml; OGT is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Rabbit Anti-OGT Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue; Observed Staining: Cytoplasmic in processes of pinealocytes and endothelial cells in blood vessels; Primary Antibody Concentration: 1:100; Other Working Concentrations