

Product datasheet for **TA308773**

OGT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Rat, Xenopus, Pig, Bovine, X. tropicalis)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 280 of O-GlcNAc transferase (Uniprot ID#O15294)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	116 kDa
Gene Name:	O-linked N-acetylglucosamine (GlcNAc) transferase
Database Link:	NP_858059 Entrez Gene 26295 Rat Entrez Gene 108155 Mouse Entrez Gene 8473 Human O15294
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



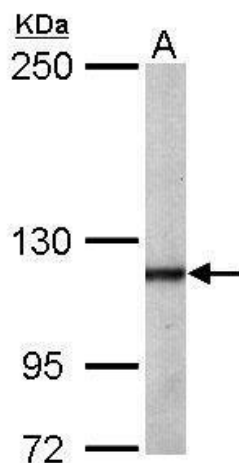
[View online »](#)

Note: Seq homology of immunogen across species: Rat (100%), Xenopus laevis (100%), Xenopus Tropicalis (100%), Pig (100%), Bovine (100%)

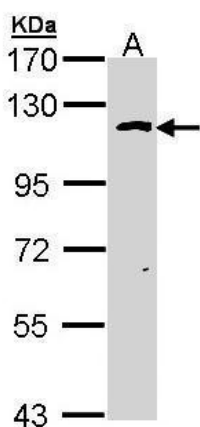
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

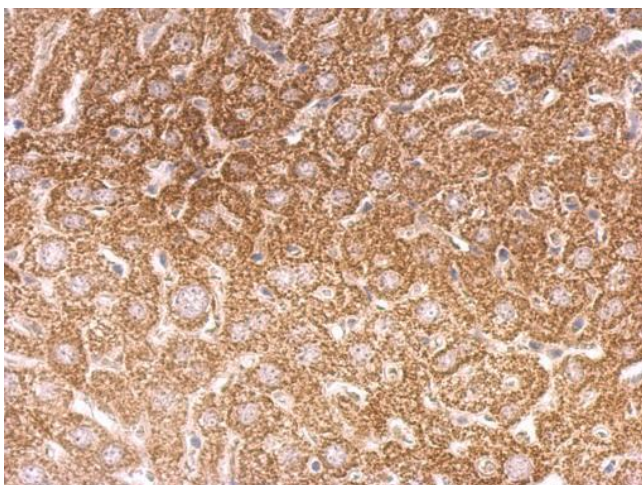
Product images:



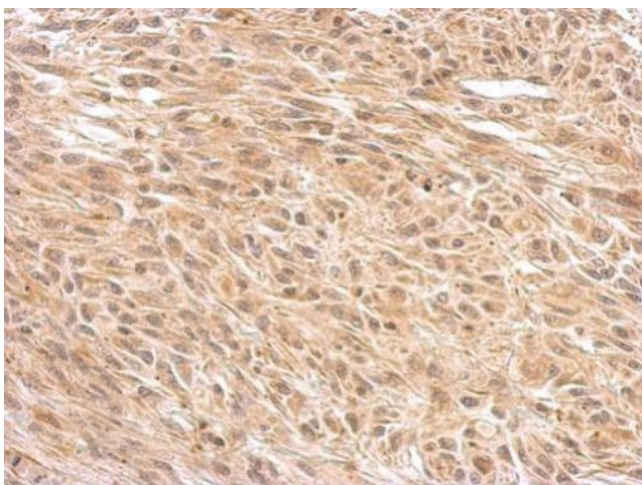
Sample (50 ug of whole cell lysate). A: Mouse brain. 5% SDS PAGE. TA308773 diluted at 1:1000.



Sample (30 ug of whole cell lysate). A: HeLa. 7.5% SDS PAGE. TA308773 diluted at 1:1000



O-GlcNAc transferase antibody [N1N2], N-term detects O-GlcNAc transferase protein at cytosol on mouse liver by immunohistochemical analysis. Sample: Paraffin-embedded mouse liver. O-GlcNAc transferase antibody [N1N2], N-term (TA308773) dilution:



O-GlcNAc transferase antibody [N1N2], N-term detects OGT protein at cytosol on U373 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded U373 xenograft. O-GlcNAc transferase antibody [N1N2], N-term (TA308773) dilution: 1:500.