

## Product datasheet for **TA306816**

### **GALNT10 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	GALNT10 antibody was raised against a 16 amino acid peptide near the amino terminus of human GALNT10.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	polypeptide N-acetylgalactosaminyltransferase 10
Database Link:	<a href="#">NP_938080</a> <a href="#">Entrez Gene 55568 Human</a> <a href="#">Q86SR1</a>



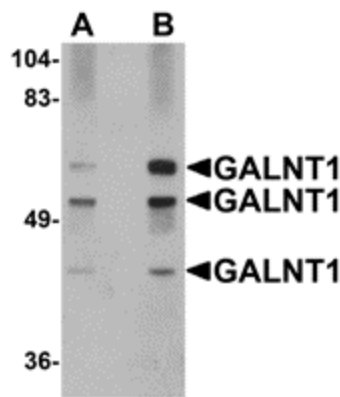
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**Background:**

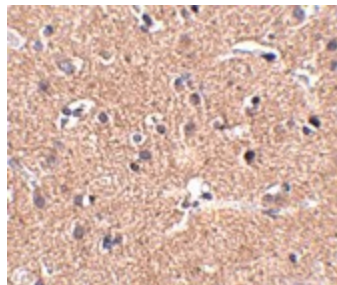
Protein glycosylation is an important biological process that is carried out by a large family of glycosyltransferases that catalyze the synthesis of oligosaccharides and glycoconjugates. Polypeptide GalNAc transferases initiate the synthesis of mucin-type oligosaccharides by transferring GalNAc from UDP-GalNAc to the hydroxyl group of either a serine or threonine residue on the polypeptide acceptor. Polypeptide galactoaminyltransferase 10 (GALNT10) belongs to the polypeptide N-acetylgalactosaminyl-transferase (pp-GalNAc-T) protein family. Following expression in insect cells, recombinant GALNT10 showed significant GalNAcT activity toward mucin-derived peptides, and it utilized both non-glycosylated and glycosylated peptide substrates. GALNT10 mRNA is highly expressed in several distinct hypothalamic, thalamic, and amygdaloid nuclei in mouse brain. At least four isoforms of GALNT10 are known to exist.

**Synonyms:**

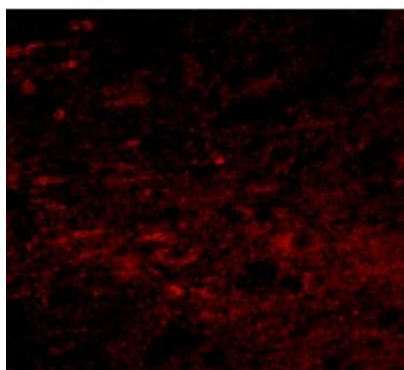
DKFZp586H0623; FLJ00205; FLJ11715; GalNAcT10; pp-GalNAc-T10

**Product images:**

Western blot analysis of GALNT10 in rat brain tissue lysate with GALNT10 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of GALNT10 in human brain tissue with GALNT10 antibody at 2.5 ug/ml.



Immunofluorescence of GALNT10 in human brain tissue with GALNT10 antibody at 20 ug/mL.