

## Product datasheet for **TA331017**

### **B3GALTL (B3GLCT) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-B3GALTL antibody: synthetic peptide directed towards the middle region of human B3GALTL. Synthetic peptide located within the following region: DYPKDYLSHQVPISFHKHWNIDPVKVYFTWLAPSEDEKARQETQKGFREE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	beta 3-glucosyltransferase
Database Link:	<a href="#">NP_919299</a> <a href="#">Entrez Gene 145173 Human</a> <a href="#">Q6Y288</a>



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**Background:**

B3GALTL is the O-fucosyltransferase that transfers glucose toward fucose with a beta-1,3 linkage. B3GALTL specifically glucosylates O-linked fucosylglycan on TSP type-1 domains of proteins, thereby contributing to elongation of O-fucosylglycan. B3GALTL is a beta-1,3-glucosyltransferase involved in the synthesis of the unusual O-linked disaccharide glucosyl-beta-1,3-fucose-O- found on the thrombospondin (see THBS1; MIM 188060) type-1 repeats (TSRs) of many biologically important proteins. Biosynthesis of glucosyl-beta-1,3-fucose-O- is initiated by protein O-fucosyltransferase-2 (POFUT2; MIM 610249), which attaches the fucosyl residue to a serine or threonine within the TSR. B3GALTL subsequently transfers the glucose onto TSR-fucose (Hess et al., 2008 [PubMed 18199743]). [supplied by OMIM].

PRIMARYREFSEQ\_SPAN PRIMARY\_IDENTIFIER PRIMARY\_SPAN COMP 1-270 DN999521.1 41-310 271-457 AB101481.1 161-347 458-467 DN999521.1 499-508 468-1217 AB101481.1 358-1107 1218-1279 DA290408.1 515-576 1280-1607 AB101481.1 1170-1497 1608-2495 AY190526.1 1498-2385 2496-3459 AY190526.1 2387-3350 3460-4071 AV728071.1 87-698 4072-4221 AA769548.1 1-150 c

**Synonyms:**

B3GALTL; B3Glc-T; B3GTL; beta3Glc-T; Gal-T

**Note:**

Human: 100%; Dog: 93%; Rat: 79%; Mouse: 79%

**Protein Families:**

Transmembrane

**Product images:**

WB Suggested Anti-B3GALTL Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control:  
SH-SY5Y cell lysate