



## **Anti-GCNT3 (Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3) Polyclonal Antibody**

**Category:** Polyclonal Antibody

**Catalog #:** AB2A292

**Antigen Synonym:** C2/4GnT (Core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase)

**Species Reactivity:** Human

### **Immunogen/Specificity:**

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human GCNT3 (Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3)

**Description:** GCNT3 (Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3) is a glycosyltransferase that can synthesize all known mucin beta 6 N-acetylglucosaminides. GCNT3 mediates core 2 and core 4 O-glycan branching, 2 important steps in mucin-type biosynthesis. GCNT3 has also I-branching enzyme activity by converting linear into branched poly-N-acetyllactosaminoglycans, leading to introduce the blood group I antigen during embryonic development. GCNT3 belongs to the glycosyltransferase 14 family.

### **Reference:**

Yeh, J.C., et al, J. Biol. Chem. 274 (5), 3215-3221 (1999)  
Schwientek, T., et al, J. Biol. Chem. 274 (8), 4504-4512 (1999)  
Tan, S. and Cheng, P.W., Am. J. Respir. Cell Mol. Biol. 36 (6), 737-745 (2007)  
Ishibashi, Y., et al, Glycoconj. J. 22 (1-2), 53-62 (2005)  
Huang, M.C., et al, Oncogene 25 (23), 3267-3276 (2006)

**For Research Use Only**

**Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)**