



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

Category: Polyclonal Antibody

Catalog #: AB2A291

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 N-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:

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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)

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