



# GCNT4 Monoclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYmab-05372  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Rat;Mouse;   |
| <b>Applications</b>       | WB   |
| <b>Gene Name</b>          | GCNT4  |
| <b>Protein Name</b>       | Beta-1,3-galactosyl-O-glycosyl-glycoprotein<br>beta-1,6-N-acetylglucosaminyltransferase 4 (EC 2.4.1.102) (Core 2-branching enzyme 3) (Core2-GlcNAc-transferase 3) (C2GnT3)   |
| <b>Immunogen</b>          | Synthesized peptide derived from human protein . at AA range: 60-140   |
| <b>Specificity</b>        | GCNT4 Monoclonal Antibody detects endogenous levels of protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Source</b>             | Monoclonal, Mouse,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | WB 1:500-2000  |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           |  |
| <b>Observed Band</b>      | 49kD   |
| <b>Cell Pathway</b>       | Golgi apparatus membrane ; Single-pass type II membrane protein .  |
| <b>Tissue Specificity</b> | Predominantly expressed in thymus. Weakly expressed in pancreas, peripheral blood leukocytes, placenta, small intestine and stomach. Barely detectable in liver, spleen, lung and lymph node.  |
| <b>Function</b>           | catalytic activity:UDP-N-acetyl-D-glucosamine +<br>beta-D-galactosyl-1,3-N-acetyl-D-galactosaminyl-R = UDP +<br>beta-D-galactosyl-1,3-(N-acetyl-beta-D-glucosaminyl-1,6)-N-acetyl-D-galactosaminyl-R.,function:Glycosyltransferase that mediates core 2 O-glycan branching, an important step in mucin-type biosynthesis. Does not have core 4 O-glycan or I-branching enzyme activity.,online information:Core 2<br>beta-1,6-N-acetylglucosaminyltransferase 3.,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 14 family.,tissue specificity:Predominantly expressed in |

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## Background

catalytic activity:UDP-N-acetyl-D-glucosamine + beta-D-galactosyl-1,3-N-acetyl-D-galactosaminyl-R = UDP + beta-D-galactosyl-1,3-(N-acetyl-beta-D-glucosaminyl-1,6)-N-acetyl-D-galactosaminyl-R.,function:Glycosyltransferase that mediates core 2 O-glycan branching, an important step in mucin-type biosynthesis. Does not have core 4 O-glycan or I-branching enzyme activity.,online information:Core 2 beta-1,6-N-acetylglucosaminyltransferase 3.,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 14 family.,tissue specificity:Predominantly expressed in thymus. Weakly expressed in pancreas, peripheral blood leukocytes, placenta, small intestine and stomach. Barely detectable in liver, spleen, lung and lymph node.,

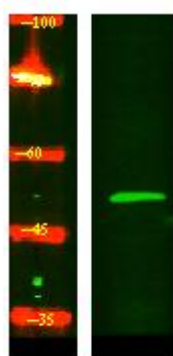
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using GCNT4 Monoclonal Antibody