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# GCNT3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16849a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | O95395 |
| **Other Accession** | NP_004742.1 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB36615 |
| **Calculated MW** | 50864 |
| **Antigen Region** | 73-102 |

## Additional Information

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| **Gene ID** | 9245 |
| **Other Names** | Beta-1, 3-galactosyl-O-glycosyl-glycoprotein beta-1, 6-N-acetylglucosaminyltransferase 3, C2GnT-mucin type, C2GnT-M, hC2GnT-M, Core 2/core 4 beta-1, 6-N-acetylglucosaminyltransferase, C2/4GnT, GCNT3 |
| **Target/Specificity** | This GCNT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 73-102 amino acids from the N-terminal region of human GCNT3. |
| **Dilution** | WB~~1:2000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | GCNT3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | GCNT3 |

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| **Function** | Glycosyltransferase that can synthesize all known mucin beta 6 N-acetylglucosaminides. Mediates core 2 and core 4 O-glycan branching, 2 important steps in mucin-type biosynthesis. Also has I- branching enzyme activity by converting linear into branched poly-N- acetyllactosaminoglycans, leading to introduce the blood group I antigen during embryonic development. |
| **Cellular Location** | Golgi apparatus membrane; Single- pass type II membrane protein |
| **Tissue Location** | Primarily expressed in mucus-secreting tissues. Expressed in colon, kidney, small intestine, trachea, and stomach, where mucin is produced. |

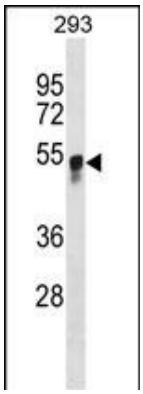
## Background

This gene encodes a member of the N-acetylglucosaminyltransferase family. The encoded protein is a beta-6-N-acetylglucosamine-transferase that catalyzes the formation of core 2 and core 4 O-glycans on mucin-type glycoproteins.

## References


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Huang, M.C., et al. Oncogene 25(23):3267-3276(2006)
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## Images




GCNT3 Antibody (N-term) (Cat. #AP16849a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the GCNT3 antibody detected the GCNT3 protein (arrow).


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.