

**GCNT3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16849a**

**Specification**

**GCNT3 Antibody (N-term) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O95395</a>
Other Accession	<a href="#">NP_004742.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	50864
Antigen Region	73-102

**GCNT3 Antibody (N-term) - Additional Information**

**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**

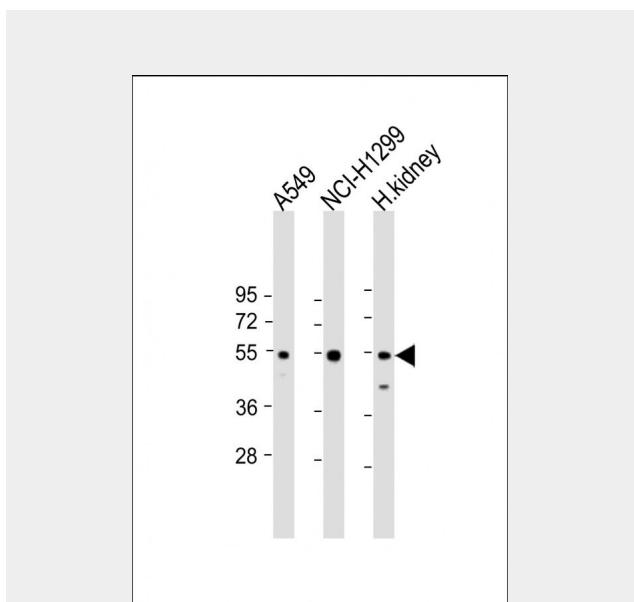
WB~1:2000

**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.



All lanes : Anti-GCNT3 Antibody (N-term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: NCI-H1299 whole cell lysate Lane 3: human kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**GCNT3 Antibody (N-term) - 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.

**GCNT3 Antibody (N-term) - References**

Tan, S., et al. Am. J. Respir. Cell Mol. Biol. 36(6):737-745(2007)  
 Lamesch, P., et al. Genomics 89(3):307-315(2007)  
 Huang, M.C., et al. Oncogene 25(23):3267-3276(2006)

**Precautions**

GCNT3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Beum, P.V., et al. Am. J. Respir. Cell Mol. Biol. 29(1):48-56(2003)  
Schwientek, T., et al. J. Biol. Chem. 274(8):4504-4512(1999)

**GCNT3 Antibody (N-term) - Protein Information**

**Name** GCNT3

**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. 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.

**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.

**GCNT3 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)