

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

GCNT3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O95395
Other Accession	NP_004742.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
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.

Precautions

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

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

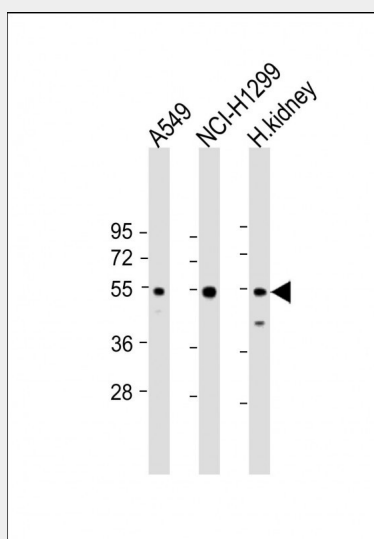
Primarily expressed in mucus-secreting tissues. Expressed in colon, kidney, small intestine, trachea, and stomach, where mucin is produced.

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](#)

GCNT3 Antibody (N-term) - Images



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)
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)