

GCNT3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10975b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q95395
Other Accession	Q8CH87 , Q5JCT0 , NP_004742.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24613
Calculated MW	50864
Antigen Region	390-418

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 390-418 amino acids from the C-terminal region of human GCNT3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

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.

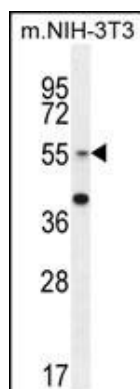
Background

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.

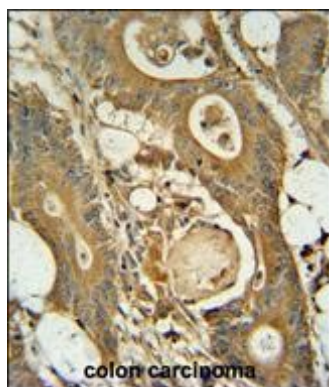
References

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

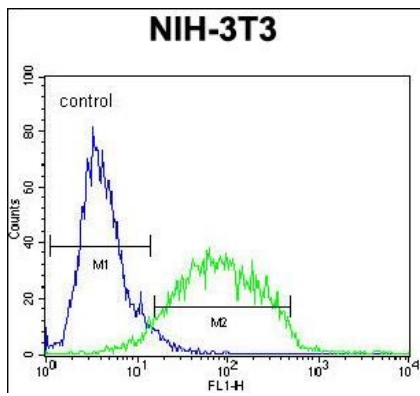


GCNT3 Antibody (C-term) (Cat. #AP10975b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the GCNT3 antibody detected the GCNT3 protein (arrow).



GCNT3 antibody (C-term) (Cat. #AP10975b) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GCNT3 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GCNT3 Antibody (C-term) (Cat. #AP10975b) flow cytometric analysis of NIH-3T3 cells (right histogram) compared to a negative control cell (left)



histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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