ARG66593
anti-GCNT3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GCNT3
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GCNT3
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 200-280 of Human GCNT3.
Conjugation	Un-conjugated
Alternate Names	C2GnT-mucin type; C2GNT2; GNTM; EC 2.4.1.150; C2/4GnT; hC2GnT-M; C24GNT; Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3; Core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase; EC 2.4.1.102; C2GNTM; C2GnT-M

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
IHC-P	1:100 - 1:300

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

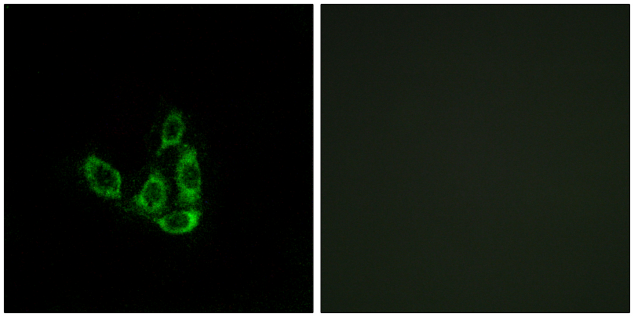
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

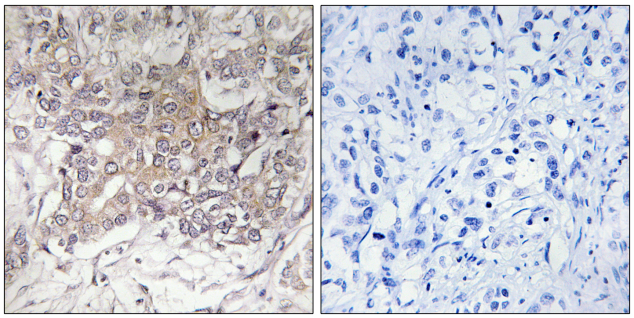
Gene Symbol	GCNT3
Gene Full Name	glucosaminyl (N-acetyl) transferase 3, mucin type
Background	This gene encodes a member of the N-acetylglucosaminyltransferase family. The encoded protein is a beta-6-N-acetylglucosamine-transferase that catalyzes the formation of core 2 and core 4 O-glycans on mucin-type glycoproteins.[provided by RefSeq, Apr 2009]
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. [UniProt]
Calculated Mw	51 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Golgi apparatus membrane; Single-pass type II membrane protein. [UniProt]

Images



ARG66593 anti-GCNT3 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG66593 anti-GCNT3 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66593 anti-GCNT3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver carcinoma tissue stained with ARG66593 anti-GCNT3 antibody. The picture on the right is blocked with the synthetic peptide.