

产品名称: GCNT3 Rabbit Polyclonal Antibody
产品货号: APRab11360



产品概述 (Summary)

产品名称 (Production Name)	GCNT3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GCNT3
别名 (Alternative Names)	GCNT3; 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
基因 ID (Gene ID)	9245.0
蛋白 ID (SwissProt ID)	O95395. The antiserum was produced against synthesized peptide derived from human GCNT3. AA range: 226-275

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

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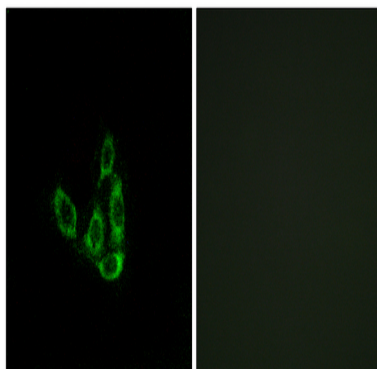
研究背景 (Background)

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], catalytic activity: UDP-N-acetyl-D-glucosamine + beta-D-galactosyl-1,3-N-acetyl-D-galactosaminyl-R = UDP + beta-D-galactosyl-1,3-(N-acetyl-beta-D-glucosaminyl-1,6)-N-acetyl-D-galactosaminyl-R, catalytic activity: UDP-N-acetyl-D-glucosamine + beta-D-galactosyl-1,4-N-acetyl-D-glucosaminyl-R = UDP + N-acetyl-beta-D-glucosaminyl-1,6-beta-D-galactosyl-1,4-N-acetyl-D-glucosaminyl-R, 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, induction: By all-trans retinoic acid (ATRA), TNF-alpha and IL13. Strongly down-regulated in colorectal cancer, online information: Core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase, online information: GlycoGene database, pathway: Protein modification; protein glycosylation, PTM: N-glycosylated, similarity: Belongs to the glycosyltransferase 14 family, tissue specificity: Primarily expressed in mucus-secreting tissues. Expressed in colon, kidney, small intestine, trachea, and stomach, where mucin is produced.

研究领域 (Research Area)

O-Glycan biosynthesis;

图片 (Image Data)



Immunofluorescence analysis of A549 cells, using GCNT3 Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .