GCNT3 polyclonal antibody

Catalog # PAB16000 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GCNT3.
Immunogen	A synthetic peptide corresponding to N-terminus of human GCNT3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Gene Info — GCNT3

Entrez GeneID	9245
Gene Name	GCNT3

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Gene Alias	C2/4GnT, C2GnT-M, C2GnT2, GnT-M
Gene Description	glucosaminyl (N-acetyl) transferase 3, mucin type
Omim ID	606836
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000163601|beta1,6-N-acetylglucosaminyltransferase

Publication Reference

- Mucin biosynthesis: identification of the cis-regulatory elements of human C2GnT-M gene.

  Tan S, Cheng PW.

  American Journal of Respiratory Cell and Molecular Biology 2007 Jun; 36(6):737.

- C2GnT-M is downregulated in colorectal cancer and its re-expression causes growth inhibition of colon cancer cells.

  Huang MC, Chen HY, Huang HC, Huang J, Liang JT, Shen TL, Lin NY, Ho CC, Cho IM, Hsu SM.

  Oncogene 2006 Jun; 25(23):3267.

- Regulation of sialyl-Lewis x epitope expression by TNF-alpha and EGF in an airway carcinoma cell line.

  Ishibashi Y, Inouye Y, Okano T, Taniguchi A.

  Glycoconjugate Journal 2005 Feb; 22(1-2):53.

Pathway

- Metabolic pathways
- O-Glycan biosynthesis

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