



Anti-GCNT1 monoclonal antibody (DCABH-11696)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the beta-1,6-N-acetylglucosaminyltransferase gene family. It is essential to the formation of Gal beta 1-3(GlcNAc beta 1-6)GalNAc structures and the core 2 O-glycan branch. The gene coding this enzyme was originally mapped to 9q21, but was later localized to 9q13. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Immunogen	A synthetic peptide of human GCNT1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [GCNT1 glucosaminyl \(N-acetyl\) transferase 1, core 2 \[Homo sapiens \]](#)

Official Symbol	GCNT1
Synonyms	GCNT1; glucosaminyl (N-acetyl) transferase 1, core 2; glucosaminyl (N acetyl) transferase 1, core 2 (beta 1,6 N acetylglucosaminyltransferase) , NACGT2; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase; beta 1; 3 galactosyl O glycosyl glycoprotein beta 1; 6 N acetylglucosaminyltransferase; C2GNT; core 2 beta1; 6 N acetylglucosaminyltransferase I; NAGCT2; core 2 GnT; core 2 branching enzyme; core 2-branching enzyme; core2-GlcNAc-transferase; beta-1,6-N-acetylglucosaminyltransferase; core 2 beta1,6 N-acetylglucosaminyltransferase-I; core 2 beta-1,6-N-acetylglucosaminyltransferase I; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N--acetylglucosaminyltransferase; glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase); G6NT; C2GNT1; NACGT2; C2GNT-L; MGC126335; MGC126336;
Entrez Gene ID	2650
Protein Refseq	NP_001091102
UniProt ID	Q02742
Chromosome Location	9q13
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem; O-glycan biosynthesis, mucin type core, organism-specific biosystem; O-glycan biosynthesis, mucin type core, conserved biosystem; O-linked glycosylation of mucins, organism-specific biosystem;
Function	beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase activity; transferase activity, transferring glycosyl groups;