



# Mouse anti-Human GALNT6 monoclonal antibody, clone 5D21 (CABT-B10306)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	GALNT6 (NP_009141, 523 a.a. ~ 623 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	5D21
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, sELISA, ELISA, RNAi Knockdown
<b>Sequence Similarities</b>	IMYSCHGLGGNQYFEYTTQRDLRHNIAKQLCLHVSKGALGLGSCHFTGKNSQVPKDEEWE LAQDQLIRNSGSGTCLTSQDKKPAMAPCNPSDPHQLWLFV*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type
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O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin. [provided by RefSeq, Jul 2008]

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<b>Keywords</b>	GALNT6; polypeptide N-acetylgalactosaminyltransferase 6; GalNAcT6; GALNAC-T6; pp-GaNTase 6; GalNAc transferase 6; polypeptide GalNAc transferase 6; protein-UDP-acetylgalactosaminyltransferase 6; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6; UDP-N-acetyl-alpha-D-galactosamine: polypeptide N-acetylgalactosaminyltransferase 6; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6);
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">11226</a>
<b>UniProt ID</b>	<a href="#">Q8NCL4</a>
<b>Pathway</b>	Metabolic pathways, organism-specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem
<b>Function</b>	polypeptide N-acetylgalactosaminyltransferase activity; sugar binding; transferase activity, transferring glycosyl groups

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