GALNT6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GALNT6, Polyclonal Antibody
Full Product Name	GALNT6, CT (GALNT6, Polypeptide N-acetylgalactosaminyltransferase 6, Polypeptide GalNAc transferase 6, Protein-UDP acetylgalactosaminyltransferase 6, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6) (MaxLight 490)
Product Gene Name	anti-GALNT6 antibody
Product Synonym Names	GALNT6; Polypeptide N-acetylgalactosaminyltransferase 6; Polypeptide GalNAc transferase 6; Protein-UDP acetylgalactosaminyltransferase 6; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	71,159 Da
OMIM	605148
3D Structure	ModBase 3D Structure for Q8NCL4
Immunogen	GALNT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 551-579 amino acids from the C-terminal region of human GALNT6.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-GALNT6 antibody	Antibodies; Enzymes; Glycosyltransferase
Applications Tested/Suitable for anti-GALNT6 antibody	Western Blot (WB), FLISA
Application Notes for anti-GALNT6 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GALNT6 antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.
Product References and Citations for anti-GALNT6 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Gomes, J., et al. J. Histochem. Cytochem. 57(1):79-86(2009). Patani, N., et al. Cancer Genomics Proteomics 5(6):333-340(2008). Argueso, P., et al. Invest. Ophthalmol. Vis. Sci. 44(1):86-92(2003). Bennett, E.P., et al. J. Biol. Chem. 274(36):25362-25370(1999).

Other Notes	Small volumes of anti-GALNT6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GALNT6 purchase	MBS6301165 is an antibody targeting GALNT6. Also known as GALNT6, CT (GALNT6, Polypeptide N-acetylgalactosaminyltransferase 6, Polypeptide GalNAc transferase 6, Protein-UDP acetylgalactosaminyltransferase 6, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GALNT6. It may not necessarily be applicable to this product.

NCBI GI #	115298684
NCBI GeneID	11226
NCBI Accession #	NP_009141.2
UniProt Primary Accession #	Q8NCL4
UniProt Secondary Accession #	Q8IYH4; Q9H6G2; Q9UIV5
UniProt Related Accession #	Q8NCL4
GenBank Nucleotide #	NM_007210.3
NCBI Official Full Name	polypeptide N-acetylgalactosaminyltransferase 6
NCBI Official Synonym Full Names	polypeptide N-acetylgalactosaminyltransferase 6
NCBI Official Symbol	GALNT6
NCBI Official Synonym Symbols	GalNAcT6; GALNAC-T6
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 6
UniProt Synonym Protein Names	Polypeptide GalNAc transferase 6; GalNAc-T6; pp-GaNTase 6; Protein-UDP acetylgalactosaminyltransferase 6; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6
Protein Family	Polypeptide N-acetylgalactosaminyltransferase
UniProt Gene Name	GALNT6
UniProt Synonym Gene Names	GalNAc-T6; pp-GaNTase 6
UniProt Entry Name	GALT6_HUMAN
NCBI Protein Information	polypeptide N-acetylgalactosaminyltransferase 6
NCBI Summary for GALNT6	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 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 lumenal 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]
Research Articles on GALNT6	**1.** GalNAcT6 role in cancer [review]
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