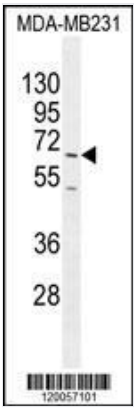
FUT8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FUT8, Polyclonal Antibody
Full Product Name	FUT8, ID (FUT8, Alpha-(1,6)-fucosyltransferase, Fucosyltransferase 8, GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1,6-fucosyltransferase, GDP-fucose-glycoprotein fucosyltransferase, Glycoprotein 6-alpha-L-fucosyltransferase) (AP)
Product Gene Name	anti-FUT8 antibody
Product Synonym Names	FUT8; Alpha-(1,6)-fucosyltransferase; Fucosyltransferase 8; GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1,6-fucosyltransferase; GDP-fucose--glycoprotein fucosyltransferase; Glycoprotein 6-alpha-L-fucosyltransferase
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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	602589
3D Structure	ModBase 3D Structure for Q9BYC5
Immunogen	FUT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 336-364 amino acids from the Central region of human FUT8.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-FUT8 antibody	Antibodies; Enzymes; Glycosyltransferase
Applications Tested/Suitable for anti-FUT8 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-FUT8 antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-FUT8 antibody	This enzyme belongs to the family of fucosyltransferases. The product of this gene catalyzes the transfer of fucose from GDP-fucose to N-linked type complex glycopeptides. This enzyme is distinct from other fucosyltransferases which catalyze alpha1-2, alpha1-3, and alpha1-4 fucose addition. The expression of this gene may contribute to the malignancy of cancer cells and to their invasive and metastatic capabilities. Alternatively spliced variants encoding different isoforms have been identified.
Product References and Citations for anti-FUT8 antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Wang, X., et al. J. Biochem. 145(5):643-651(2009). Kudo, T., et al. Mol. Cancer 6, 32 (2007): Ihara, H., et al. Glycobiology 16(4):333-342(2006). Ito, Y., et al. Cancer Lett. 200(2):167-172(2003).

Other Notes	Small volumes of anti-FUT8 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 FUT8 purchase	MBS6300433 is an antibody targeting FUT8. Also known as FUT8, ID (FUT8, Alpha-(1,6)-fucosyltransferase, Fucosyltransferase 8, GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1,6-fucosyltransferase, GDP-fucose-glycoprotein fucosyltransferase, Glycoprotein 6-alpha-L-fucosyltransferase) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-FUT8 antibody
FUT8 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the FUT8 antibody detected the FUT8 protein (arrow).



Immunohistochemistry (IHC) of anti-FUT8 antibody
FUT8 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of FUT8 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FUT8. It may not necessarily be applicable to this product.

NCBI GI #	30410724
NCBI GeneID	2530
NCBI Accession #	NP_835367.1
NCBI Related Accession #	NP_835369.1
UniProt Primary Accession #	Q9BYC5
UniProt Related Accession #	Q9BYC5
NCBI Official Synonym Full Names	fucosyltransferase 8
NCBI Official Symbol	FUT8
NCBI Official Synonym Symbols	CDGF; CDGF1
UniProt Protein Name	Alpha-(1,6)-fucosyltransferase
UniProt Synonym Protein Names	Fucosyltransferase 8; GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1,6-fucosyltransferase; GDP-fucose--glycoprotein fucosyltransferase; Glycoprotein 6-alpha-L-fucosyltransferase
Protein Family	Alpha-(1,6)-fucosyltransferase
UniProt Gene Name	FUT8
UniProt Synonym Gene Names	Alpha1-6FucT
UniProt Entry Name	FUT8_HUMAN
NCBI Protein Information	alpha-(1,6)-fucosyltransferase

NCBI Summary for FUT8	This gene encodes an enzyme belonging to the family of fucosyltransferases. The product of this gene catalyzes the transfer of fucose from GDP-fucose to N-linked type complex glycopeptides. This enzyme is distinct from other fucosyltransferases which catalyze alpha1-2, alpha1-3, and alpha1-4 fucose addition. The expression of this gene may contribute to the malignancy of cancer cells and to their invasive and metastatic capabilities. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]
UniProt Comments for FUT8	FUT8: Catalyzes the addition of fucose in alpha 1-6 linkage to the first GlcNAc residue, next to the peptide chains in N-glycans. Belongs to the glycosyltransferase 23 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Glycan Metabolism - N-glycan biosynthesis; Glycan Metabolism - keratan sulfate biosynthesis; Transferase; Membrane protein, integral; EC 2.4.1.68 Chromosomal Location of Human Ortholog: 14q24.3 Cellular Component: Golgi membrane; Golgi apparatus; membrane; cytoplasm; integral to membrane Molecular Function: glycoprotein 6-alpha-L-fucosyltransferase activity; SH3 domain binding Biological Process: integrin-mediated signaling pathway; cell migration; receptor metabolic process; in utero embryonic development; oligosaccharide biosynthetic process; protein amino acid N-linked glycosylation; respiratory gaseous exchange; post-translational protein modification; GDP-L-fucose metabolic process; cellular protein metabolic process; transforming growth factor beta receptor signaling pathway; protein amino acid glycosylation in Golgi; protein amino acid N-linked glycosylation via asparagine; L-fucose catabolic process; N-glycan processing
Research Articles on FUT8	**1.** critical role in maintaining the normal functions of trophoblastic cells
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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