# FUT8 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | FUT8, Polyclonal Antibody |
| **Full Product Name** | FUT8 (Center) Rabbit pAb |
| **Product Gene Name** | anti-FUT8 antibody |
| **Product Synonym Names** | Alpha-(1,6)-fucosyltransferase; Alpha1-6FucT; Fucosyltransferase 8; GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1; 6-fucosyltransferase; GDP-fucose--glycoprotein fucosyltransferase; Glycoprotein 6-alpha-L-fucosyltransferase; FUT8 |
| **Clonality** | Polyclonal |
| **Isotype** | Ig |
| **Clone Number** | RB20057 |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Purity/Purification** | Affinity Purified |
| **OMIM** | 602589 |
| **3D Structure** | ModBase 3D Structure for Q9BYC5 |
| **Immunogen** | This FUT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-357 amino acids from the central region of human FUT8. |
| **Cellular Localization** | Golgi Apparatus, Membrane |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-FUT8 antibody** | Western Blot (WB), Immunohistochemistry (IHC) |
| **Application Notes for anti-FUT8 antibody** | WB: 1:1000<br>IHC: 1:50-100 |
| **Related Product Information for anti-FUT8 antibody** | MBS8551434 is an antibody targeting FUT8. Also known as FUT8 (Center) Rabbit pAb. Reactive in Human. Host: Rabbit. |
| **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. |

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 20138326 |
| **NCBI GeneID** | 2530 |
| **NCBI Accession #** | Q9BYC5.2 |
| **UniProt Primary Accession #** | Q9BYC5 |

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| **UniProt Related Accession #** | Q9BYC5 |
| **NCBI Official Full Name** | Alpha-(1,6)-fucosyltransferase |
| **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.<br><br>Protein type: Motility/polarity/chemotaxis; Glycan Metabolism - N-glycan biosynthesis; Glycan Metabolism - keratan sulfate biosynthesis; Transferase; Membrane protein, integral; EC 2.4.1.68<br><br>Chromosomal Location of Human Ortholog: 14q24.3<br><br>Cellular Component: Golgi membrane; Golgi apparatus; membrane; cytoplasm; integral to membrane<br><br>Molecular Function: glycoprotein 6-alpha-L-fucosyltransferase activity; SH3 domain binding<br><br>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.** expression in relation to p53 is a prognostic biomarker for patients with stage II and III colorectal cancer |
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