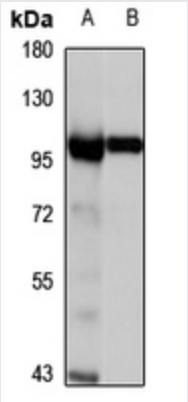
MGAT5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MGAT5, Polyclonal Antibody
Full Product Name	Anti-MGAT5 Antibody
Product Gene Name	anti-MGAT5 antibody
Product Synonym Names	GGNT5; Alpha-1 6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A; Alpha-mannoside beta-1 6-N-acetylglucosaminyltransferase; GlcNAc-T V; GNT-V; Mannoside acetylglucosaminyltransferase 5; N-acetylglucosaminyl-transferase V
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of MGAT5 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	84,543 Da
OMIM	601774
3D Structure	ModBase 3D Structure for Q09328
Immunogen	Recombinant fusion protein of human MGAT5. The exact sequence is proprietary.
Applications Tested/Suitable for anti-MGAT5 antibody	Western Blot (WB)
Application Notes for anti-MGAT5 antibody	WB: 1:500-1:2000
Related Product Information for anti-MGAT5 antibody	MBS8307265 is an antibody targeting MGAT5. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to MGAT5
Other Notes	Small volumes of anti-MGAT5 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.



Western Blot (WB) of anti-MGAT5 antibody
Western blot analysis of MGAT5 expression in Raji (A), Jurkat (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MGAT5. It may not necessarily be applicable to this product.

NCBI GI #	4505167
NCBI GeneID	4249
NCBI Accession #	NP_002401.1
UniProt Primary Accession #	Q09328
UniProt Secondary Accession #	Q8R4G6
UniProt Related Accession #	Q09328
GenBank Nucleotide #	NM_002410.4
NCBI Official Full Name	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
NCBI Official Synonym Full Names	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase
NCBI Official Symbol	MGAT5
NCBI Official Synonym Symbols	GNT-V; GNT-VA
UniProt Protein Name	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
UniProt Synonym Protein Names	Alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase; GlcNAc-T V; GNT-V; Mannoside acetylglucosaminyltransferase 5; N-acetylglucosaminyl-transferase V
Protein Family	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase
UniProt Gene Name	MGAT5
UniProt Synonym Gene Names	GGNT5; GNT-V
NCBI Protein Information	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
NCBI Summary for MGAT5	The protein encoded by this gene belongs to the glycosyltransferase family. It catalyzes the addition of beta-1,6-N-acetylglucosamine to the alpha-linked mannose of biantennary N-linked oligosaccharides present on the newly synthesized glycoproteins. It is one of the most important enzymes involved in the regulation of the biosynthesis of glycoprotein oligosaccharides. Alterations of the oligosaccharides on cell surface glycoproteins cause significant changes in the adhesive or migratory behavior of a cell. Increase in the activity of this enzyme has been correlated with the progression of invasive malignancies. [provided by RefSeq, Oct 2011]
UniProt Comments for MGAT5	Catalyzes the addition of N-acetylglucosamine in beta 1-6 linkage to the alpha-linked mannose of biantennary N-linked oligosaccharides. It is one of the most important enzymes involved in the regulation of the biosynthesis of glycoprotein oligosaccharides.

Research Articles on MGAT5	**1.** The best homology model is consistent with available experimental data. The three-dimensional model, the structure of the enzyme catalytic site and binding information obtained for the donor and acceptor can be useful in studies of the catalytic mechanism and design of inhibitors of GnT-V.
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