MGT5A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MGT5A, Polyclonal Antibody
Full Product Name	MGT5A Rabbit Polyclonal Antibody
Product Gene Name	anti-MGT5A antibody
Product Synonym Gene Name	MGAT5, GGNT5
Product Synonym Names	BH6842; Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A (EC 2.4.1.155)(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, Rat
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	MGT5A Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	84,543 Da
OMIM	601774
3D Structure	ModBase 3D Structure for Q09328
Immunogen	Synthesized peptide derived from human protein. at AA range: 551-600
Modification	Unmodified/Total
Applications Tested/Suitable for anti-MGT5A antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MGT5A antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-MGT5A antibody	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]
Other Notes	Small volumes of anti-MGT5A 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 MGT5A purchase	MBS9515488 is an antibody targeting MGT5A. Also known as MGT5A Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MGT5A. 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 #	D3DP70
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
UniProt Gene Name	MGAT5
UniProt Synonym Gene Names	GGNT5; GNT-V
NCBI Protein Information	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
UniProt Comments for MGT5A	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 MGT5A	**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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