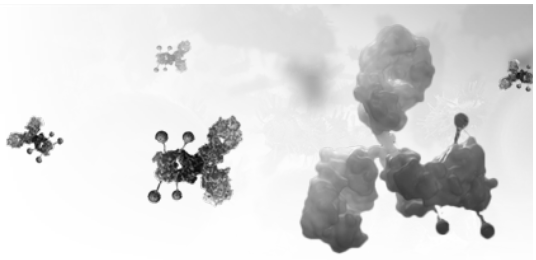

Anti-MGAT5 (aa 642-739) polyclonal antibody (DPAB-DC1922)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	MGAT5 (NP_002401, 642 a.a. ~ 739 a.a) partial recombinant protein with GST tag. The sequence is LAEPGQSCKQVCQESQLICEPSFFQHLNKDKDMLKYKVTCQSSELAKDILVPSFDPKNKH CVFQGDLLLFSCAGAHPRHQRVCPCRDFIKGQVALCKD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	MGAT5 mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase [Homo sapiens (human)]
Official Symbol	MGAT5
Synonyms	MGAT5; mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase; GNT-V; GNT-VA; alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A; glcNAc-T V; N-acetylglucosaminyl-transferase V; mannoside acetylglucosaminyltransferase 5; alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase;
Entrez Gene ID	4249
Protein Refseq	NP_002401
UniProt ID	Q09328
Chromosome Location	2q21.3
Pathway	Asparagine N-linked glycosylation; N-Glycan antennae elongation; N-Glycan biosynthesis; N-glycan biosynthesis, complex type
Function	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase activity;

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