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MGAT4B Rabbit pAb

Catalog # AP96522

Product Information

Application	WB
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MGAT4B
Epitope Specificity	401-500/548
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glycosyltransferase 54 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a key glycosyltransferase that regulates the formation of tri- and multiantennary branching structures in the Golgi apparatus. The encoded protein, in addition to the related isoenzyme A, catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc in a beta-1,4 linkage to the Man-alpha-1,3-Man-beta-1,4-GlcNAc arm of R-Man-alpha-1,6(GlcNAc-beta-1,2-Man-alpha-1,3)Man-beta-1,4-GlcNAc-beta-1,4-GlcNAc-beta-1-Asn. The encoded protein may play a role in regulating the availability of serum glycoproteins, oncogenesis, and differentiation. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	11282
Other Names	GNT-IV; GNT-IVB; GnTIVb; MGT4B_HUMAN; MGAT4B; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVb (GlcNAc-T IVb | GnT-IVb | N-acetylglucosaminyltransferase IVb); UDP-N-acetylglucosamine: alpha-1, 3-D-mannoside beta-1, 4-N-acetylglucosaminyltransferase IVb; 2.4.1.145; MGT4B_MOUSE; alpha-1, 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B; mannosyl (alpha-1, 3-)-glycoprotein beta-1, 4-N-acetylglucosaminyltransferase, isoenzyme B; mannosyl (alpha-1, 3-)-glycoprotein beta-1, 4-N-acetylglucosaminyltransferase, isozyme B
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Name	MGAT4B Rabbit pAb
Function	Glycosyltransferase that participates in the transfer of N-acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAcbeta1-4 branch on the GlcNAcbeta1-2Manalpha1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains. Has lower affinities for donors or acceptors than MGAT4A, suggesting that, under physiological conditions, it is not the main contributor in N-glycan biosynthesis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.