

Rabbit MGAT3 Polyclonal Antibody | anti-MGAT3 antibody

MGAT3 Antibody (C-term)

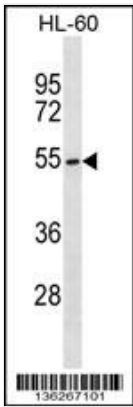
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289252	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	ELISA, Western Blot

PRODUCT SYNONYMS

MGAT3; Polyclonal Antibody; MGAT3 Antibody (C-term); GGNT3; anti-MGAT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MGAT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 426-454 amino acids from the C-terminal region of human MGAT3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	426-454
Sequence Length	533
Applicable Applications for anti-MGAT3 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	is involved in the regulation of the biosynthesis and biological function of glycoprotein oligosaccharides. Catalyzes the addition of N-acetylglucosamine in beta 1-4 linkage to the beta-linked mannose of the trimannosyl core of N-linked sugar chains. It is one of the most important enzymes involved in the regulation of the biosynthesis of glycoprotein oligosaccharides.
Cellular Location	Golgi apparatus membrane; Single-pass type II membrane protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
MGAT3 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the MGAT3 antibody detected the MGAT3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MGAT3 antibody	There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. The enzyme encoded by this gene transfers a GlcNAc residue to the beta-linked mannose of the trimannosyl core of N-linked oligosaccharides and produces a bisecting GlcNAc. Multiple alternatively spliced variants, encoding the same protein, have been identified.
References	Benson, V., et al. Int. Immunol. 22(3):167-177(2010) Akasaka-Manya, K., et al. Glycobiology 20(1):99-106(2010) Pinho, S.S., et al. Hum. Mol. Genet. 18(14):2599-2608(2009) Sato, Y., et al. J. Biol. Chem. 284(18):11873-11881(2009) Fiala, M., et al. Proc. Natl. Acad. Sci. U.S.A. 104(31):12849-12854(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	148539890
NCBI GeneID	4248
NCBI Accession #	NP_001091740.1; NP_002400.3
NCBI GenBank Nucleotide #	NM_001098270.1
UniProt Accession #	Q09327; Q14CK5; Q6IC49; Q9UH32; A6NGD0
Molecular Weight	61313
NCBI Official Full Name	beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase
NCBI Official Synonym Full Names	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase
NCBI Official Symbol	MGAT3
NCBI Official Synonym Symbols	GNT3; GNT-III
NCBI Protein Information	beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase
UniProt Protein Name	Beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase
UniProt Gene Name	MGAT3
UniProt Synonym Gene Names	GGNT3; GNT-III; GlcNAc-T III; N-acetylglucosaminyltransferase III

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mgat3-antibody-western-blot-elisa/289252>