

Rabbit anti-Human, mouse MGAT1 Polyclonal Antibody | anti-MGAT1 antibody

MGAT1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287725	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

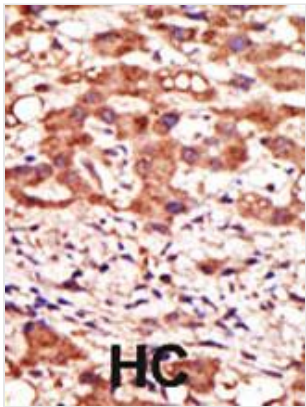
PRODUCT SYNONYMS

MGAT1; Polyclonal Antibody; MGAT1 Antibody (N-term); Alpha-1; 3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I; GNT-I; GlcNAc-T I; GGNT1; GLCT1; GLYT1; MGAT; anti-MGAT1 antibody

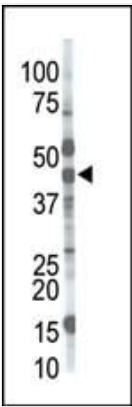
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MGAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human MGAT1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	16-46
Sequence Length	445
Applicable Applications for anti-MGAT1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-MGAT1 Pab is used in Western blot to detect MGAT1 in mouse brain tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-MGAT1 antibody	There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. MGAT1 (UDP-N-acetylglucosamine:alpha-3-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I) is a medial-Golgi enzyme essential for the synthesis of hybrid and complex N-glycans. The protein, encoded by a single exon, shows typical features of a type II transmembrane protein. The protein is believed to be essential for normal embryogenesis.
Product Categories/Family for anti-MGAT1 antibody	Signal Transduction
References	Tan, J., et al., Eur. J. Biochem. 231(2):317-328 (1995). Kumar, R., et al., Glycobiology 2(4):383-393 (1992). Hull, E., et al., Biochem. Biophys. Res. Commun. 176(2):608-615 (1991). Kumar, R., et al., Proc. Natl. Acad. Sci. U.S.A. 87(24):9948-9952 (1990). Yip, B., et al., Biochem. J. 321 (Pt 2), 465-474 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	167857780
NCBI GeneID	4245
NCBI Accession #	NP_001108089.1; NP_001108090.1; NP_001108091.1; NP_001108092.1; NP_002397.2
NCBI GenBank Nucleotide #	NM_001114617.1
UniProt Accession #	P26572; Q6IBE3; A8K404; B3KRU8; D3DWR1
Molecular Weight	50878
NCBI Official Full Name	alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
NCBI Official Synonym Full Names	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
NCBI Official Symbol	MGAT1
NCBI Official Synonym Symbols	MGAT; GLCT1; GLYT1; GNT-1; GNT-I; GLCNAC-TI
NCBI Protein Information	alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
UniProt Protein Name	Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
UniProt Gene Name	MGAT1

UniProt Synonym Gene Names	GGNT1; GLCT1; GLYT1; MGAT; GNT-I; GlcNAc-T I
UniProt Entry Name	MGAT1_HUMAN

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://stage.aaabiotech.com/polyclonal/mgat1-antibody-immunohistochemistry-western-blot-elisa/287725>