

Rabbit MGAT2 Polyclonal Antibody | anti-MGAT2 antibody

MGAT2 Antibody (C-term)

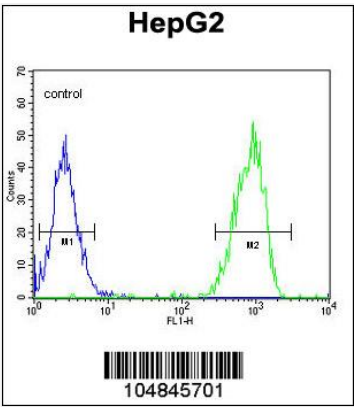
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284123	Rabbit	Human (Predicted Reactivity: Mouse, Pig, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

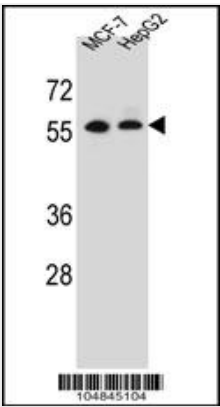
MGAT2; Polyclonal Antibody; MGAT2 Antibody (C-term); Alpha-1; 6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase; Beta-1; 2-N-acetylglucosaminyltransferase II; GlcNAc-T II; GNT-II; Mannoside acetylglucosaminyltransferase 2; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase II; anti-MGAT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MGAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 409-439 amino acids from the C-terminal region of human MGAT2.
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	409-439
Sequence Length	447
Applicable Applications for anti-MGAT2 antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
MGAT2 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
MGAT2 Antibody (P423) western blot analysis in MCF-7/HepG2 cell line lysates (35ug/lane).This demonstrates the MGAT2 antibody detected the MGAT2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MGAT2 antibody	MGAT2 (UDP-N-acetylglucosamine:alpha-6-D-mannoside-beta-1, 2-N-acetylglucosaminyltransferase II) is a Golgi enzyme catalyzing an essential step in the conversion of oligomannose to complex N-glycans. The enzyme has the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. Mutations in MGAT2 may lead to carbohydrate-deficient glycoprotein syndrome, type II.
References	Yen, C.L., et al., J. Biol. Chem. 278(20):18532-18537 (2003). Chen, S.H., et al., Glycoconj. J. 15(3):301-308 (1998). Tan, J., et al., Am. J. Hum. Genet. 59(4):810-817 (1996). Tan, J., et al., Eur. J. Biochem. 231(2):317-328 (1995). D'Agostaro, G.A., et al., J. Biol. Chem. 270(25):15211-15221 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505163
NCBI GeneID	4247
NCBI Accession #	NP_002399.1
NCBI GenBank Nucleotide #	NM_002408.3
UniProt Accession #	Q10469; B3KPC5; B3KQM0
Molecular Weight	51550
NCBI Official Full Name	alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
NCBI Official Synonym Full Names	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
NCBI Official Symbol	MGAT2
NCBI Official Synonym Symbols	GNT2; CDG2A; CDGS2; GNT-II; GLCNACTII
NCBI Protein Information	alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
UniProt Protein Name	Alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
UniProt Gene Name	MGAT2
UniProt Synonym Gene Names	GNT-II
UniProt Entry Name	MGAT2_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://www.aaabiotech.com/polyclonal/mgat2-antibody-flow-cytometry-western-blot-elisa/284123>