Rabbit MGAT4C Polyclonal Antibody | anti-MGAT4C antibody

MGAT4C Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289155	**Rabbit**	**Human (Predicted Reactivity: Monkey, Mouse, Pig)**	**Immunohistochemistry, ELISA, Western Blot**

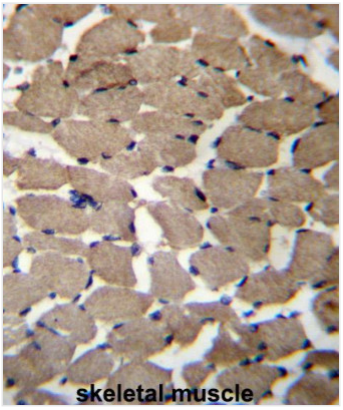
PRODUCT SYNONYMS

MGAT4C; Polyclonal Antibody; MGAT4C Antibody (C-term); Alpha-1; 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C; N-acetylglucosaminyltransferase IV homolog; hGnT-IV-H; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVc; GlcNAc-T IVc; GnT-IVc; N-acetylglucosaminyltransferase IVc; UDP-N-acetylglucosamine: alpha-1; 3-D-mannoside beta-1; 4-N-acetylglucosaminyltransferase IVc; anti-MGAT4C antibody

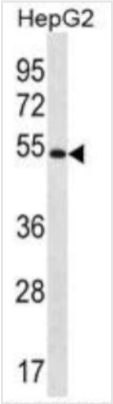
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey, Mouse, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MGAT4C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-332 amino acids from the C-terminal region of human MGAT4C.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	303-332
Sequence Length	478
Applicable Applications for anti-MGAT4C antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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. Essntial for the production of tri- and tetra-antennary N-linked sugar chains (By similarity). Does not catalyze the transfer of GlcNAc to the Manalpha1-6 arm to form GlcNAcBeta1-4Manalpha1-6 linkage ('GnT-VI' activity)
Cellular Location	Golgi apparatus membrane; Single- pass type II membrane protein
Tissue Location	Expressed in heart, adrenal gland, testis, liver, brain and fetal brain. Not expressed in pancreas
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.

IMAGES



IHC (Immunohiostchemistry)
MGAT4C Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MGAT4C Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
MGAT4C Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the MGAT4C antibody detected the MGAT4C protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MGAT4C antibody	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 (By similarity). Does not catalyze the transfer of GlcNAc to the Manalpha1-6 arm to form GlcNAcBeta1-4Manalpha1-6 linkage ('GnT-VI' activity).
Product Categories/Family for anti-MGAT4C antibody	Metabolism; Signal Transduction
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Trynka, G., et al. Gut 58(8):1078-1083(2009) Furukawa, T., et al. J. Hum. Genet. 44(6):397-401(1999) Thomas, B.A. Br. J. Dermatol. 80 (6), 413 (1968) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	166197698
NCBI GeneID	25834
NCBI Accession #	NP_037376.2
NCBI GenBank Nucleotide #	NM_013244.3
UniProt Accession #	Q9UBM8; Q4G199; Q9UIU5; B4DRH2
Molecular Weight	56061
NCBI Official Full Name	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
NCBI Official Synonym Full Names	MGAT4 family, member C
NCBI Official Symbol	MGAT4C
NCBI Official Synonym Symbols	GNTIVH; HGNT-IV-H
NCBI Protein Information	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
UniProt Protein Name	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
UniProt Gene Name	**MGAT4C**

UniProt Synonym Gene Names	hGnT-IV-H; GlcNAc-T IVc; GnT-IVc; N-acetylglucosaminyltransferase IVc
UniProt Entry Name	MGT4C_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/mgat4c-antibody-immunohistochemistry-western-blot-elisa/289155