10320 Camino Santa Fe, Suite G
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MGAT4C Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12619b

Specification

MGAT4C Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9UBM8
Other Accession	Q6ITT3, Q9D306, Q4R4A8, NP_037376.2
Reactivity	**Human**
Predicted	**Monkey, Mouse, Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**56061**
Antigen Region	**303-332**

MGAT4C Antibody (C-term) - Additional Information

Gene ID 25834

Other Names
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, MGAT4C

Target/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.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MGAT4C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MGAT4C Antibody (C-term) - Protein Information

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Name MGAT4C

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 (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

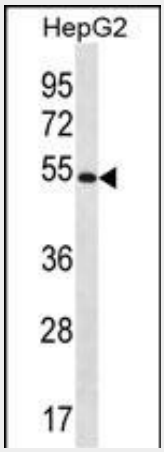
Tissue Location
Expressed in heart, adrenal gland, testis, liver, brain and fetal brain. Not expressed in pancreas

MGAT4C Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MGAT4C Antibody (C-term) - Images



MGAT4C Antibody (C-term) (Cat. #AP12619b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the MGAT4C antibody detected the MGAT4C protein (arrow).

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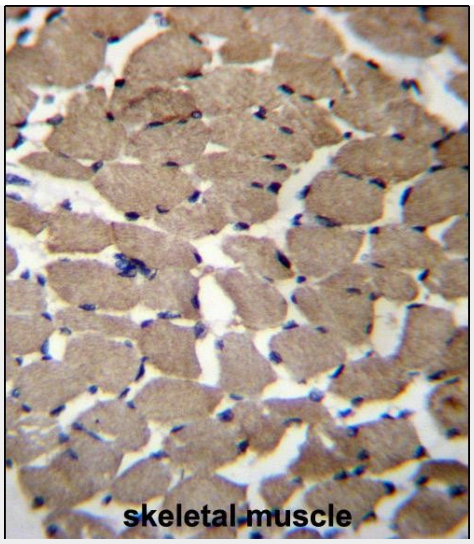

MGAT4C Antibody (C-term) (Cat. #AP12619b)immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MGAT4C Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MGAT4C Antibody (C-term) - Background

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).

MGAT4C Antibody (C-term) - References

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Trynka, G., et al. Gut 58(8):1078-1083(2009)
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