

**MGAT4C Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12619b**

**Specification**

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**MGAT4C Antibody (C-term) - Product Information**

|                   |                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------|
| Application       | IHC-P, WB,E                                                                                            |
| Primary Accession | <a href="#">Q9UBM8</a>                                                                                 |
| Other Accession   | <a href="#">Q6ITT3</a> , <a href="#">Q9D306</a> , <a href="#">Q4R4A8</a> , <a href="#">NP_037376.2</a> |
| 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**

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**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

**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

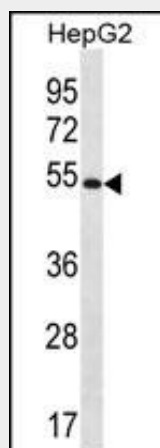
Expressed in heart, adrenal gland, testis, liver, brain and fetal brain. Not expressed in pancreas

## MGAT4C Antibody (C-term) - Protocols

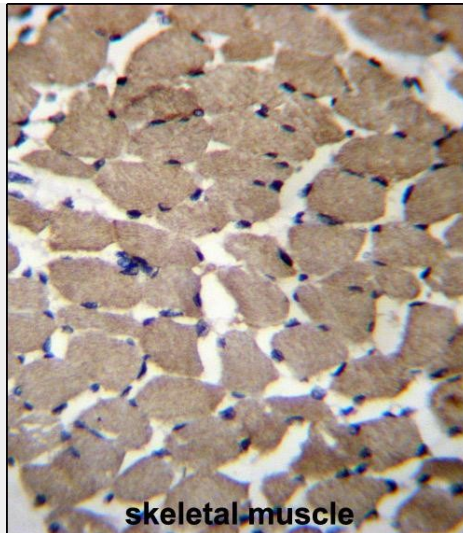
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).



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 GlcNAc $\beta$ 1-4 branch on the GlcNAc $\beta$ 1-2Man $\alpha$ 1-3 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 Man $\alpha$ 1-6 arm to form GlcNAc $\beta$ 1-4Man $\alpha$ 1-6 linkage ('GnT-VI' activity).

#### **MGAT4C Antibody (C-term) - 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) :