

## ARG40443 anti-MGAT1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes MGAT1  |
| Tested Reactivity   | Hu, Ms, Rat  |
| Tested Application  | ICC/IF, WB   |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | MGAT1  |
| Species             | Human  |
| Immunogen           | Recombinant fusion protein corresponding to aa. 156-445 of Human MGAT1 (NP_001108092.1).   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase; GLCNAC-TI; GNT-I; GNT-1; GLCT1; GLYT1; MGAT; GlcNAc-T I; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I; EC 2.4.1.101 |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | ICC/IF   | 1:50 - 1:200   |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | Mouse liver  |                |
| Observed Size     | 57 kDa   |                |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note

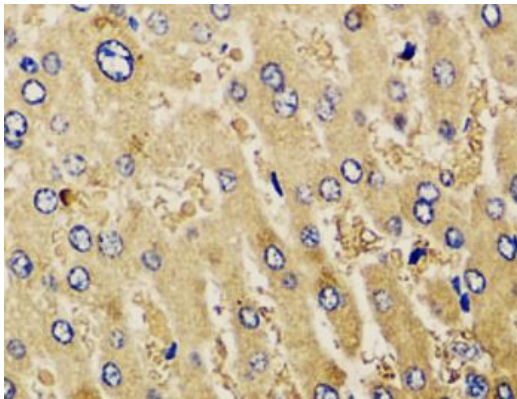
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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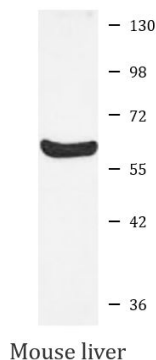
|                       |   |
|-----------------------|---|
| Gene Symbol           | MGAT1   |
| Gene Full Name        | mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase   |
| Background            | There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. 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. Several variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008] |
| Function              | Initiates complex N-linked carbohydrate formation. Essential for the conversion of high-mannose to hybrid and complex N-glycans. [UniProt]  |
| Calculated Mw         | 51 kDa  |
| Cellular Localization | Golgi apparatus membrane; Single-pass type II membrane protein. [UniProt]   |

## Images



ARG40443 anti-MGAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver injury stained with ARG40443 anti-MGAT1 antibody at 1:100 dilution.



ARG40443 anti-MGAT1 antibody WB image

Western blot: 25 µg of Mouse liver lysate stained with ARG40443 anti-MGAT1 antibody at 1:1000 dilution.