

## Rabbit anti-Human, mouse MGAT3 Polyclonal Antibody | anti-MGAT3 antibody

MGAT3 Antibody (N-term)

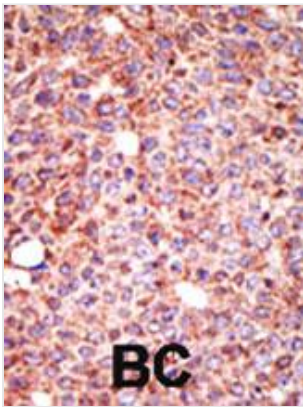
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA284664 | Rabbit | Human, mouse | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

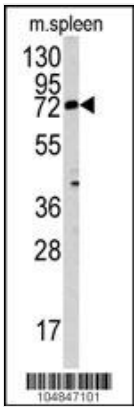
MGAT3; Polyclonal Antibody; MGAT3 Antibody (N-term); Beta-1; 4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase III; GNT-III; GlcNAc-T III; N-acetylglucosaminyltransferase III; GGNT3; anti-MGAT3 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human, mouse                                                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This MGAT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-102 amino acids from the N-terminal region of human MGAT3.                     |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 72-102                                                                                                                                                                                    |
| Sequence Length                                 | 533                                                                                                                                                                                       |
| Applicable Applications for anti-MGAT3 antibody | IHC (Immunohistochemistry), 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.                                    |



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**WB (Western Blot)**  
Western blot analysis of MGAT3 antibody (N-term) in mouse spleen tissue lysates (35ug/lane). MGAT3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MGAT3 antibody | There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. MGAT3 (N-acetylglucosaminyltransferase III) transfers a GlcNAc residue to the beta-linked mannose of the trimannosyl core of N-linked oligosaccharides and produces a bisecting GlcNAc. Expression of this gene may be controlled by a multiple-promoter system. |
| References                                          | Shibukawa, Y., et al., J. Biol. Chem. 278(5):3197-3203 (2003).<br>Koyama, N., et al., Eur. J. Biochem. 238(3):853-861 (1996).<br>Kim, Y.J., et al., Gene 170(2):281-283 (1996).<br>Ihara, Y., et al., J. Biochem. 113(6):692-698 (1993).                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| NCBI GI #                        | 148539890                                                                  |
| NCBI GeneID                      | 4248                                                                       |
| NCBI Accession #                 | NP_001091740.1; NP_002400.3                                                |
| NCBI GenBank Nucleotide #        | NM_001098270.1                                                             |
| UniProt Accession #              | Q09327; Q14CK5; Q6IC49; Q9UH32; A6NGD0                                     |
| Molecular Weight                 | 61313                                                                      |
| NCBI Official Full Name          | beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase      |
| NCBI Official Synonym Full Names | mannosyl (beta-1,4-) glycoprotein beta-1,4-N-acetylglucosaminyltransferase |
| NCBI Official Symbol             | MGAT3                                                                      |
| NCBI Official Synonym Symbols    | GNT3; GNT-III                                                              |
| NCBI Protein Information         | beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase      |
| UniProt Protein Name             | Beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase      |
| UniProt Gene Name                | MGAT3                                                                      |
| UniProt Synonym Gene Names       | GGNT3; GNT-III; GlcNAc-T III; N-acetylglucosaminyltransferase III          |
| UniProt Entry Name               | MGAT3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/mgat3-antibody-immunohistochemistry-western-blot-elisa/284664>