

# [KO Validated] MGAT1 Rabbit mAb

Catalog No.: A28932 **KO Validated** **Recombinant**

## Basic Information

### Observed MW

51 kDa

### Calculated MW

51 kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IHC-P,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC80841

## 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.

## Recommended Dilutions

**WB** 1:2000 - 1:5000**IF/ICC** 1:100 - 1:200**IHC-P** 1:100 - 1:400

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ( $\geq 1:10000$ ) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

4245

### Swiss Prot

P26572

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

GnTI; MGAT; GLCT1; GLYT1; GNT-1; GNT-I; GLCNAC-TI

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Contact

---

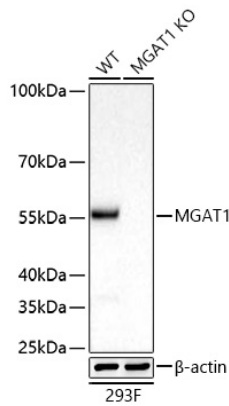
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

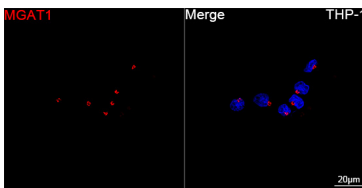
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

---

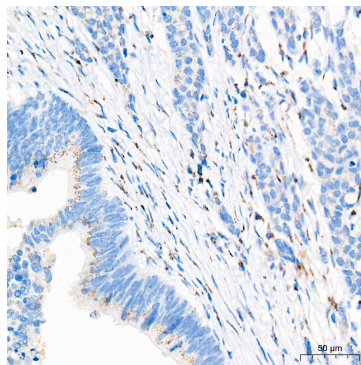
## Validation Data



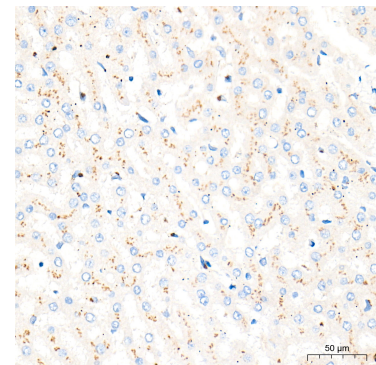
Western blot analysis of lysates from wild type (WT) and MGAT1 knockout (KO) 293F cells using [KO Validated] MGAT1 Rabbit mAb (A28932) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.



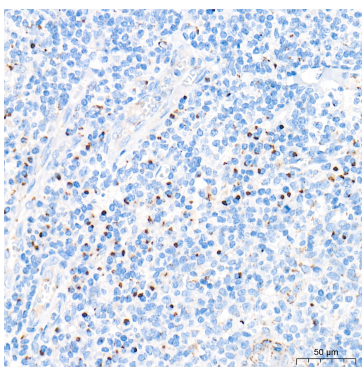
Confocal imaging of THP-1 cells using [KO Validated] MGAT1 Rabbit mAb (A28932, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] MGAT1 Rabbit mAb (A28932) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using [KO Validated] MGAT1 Rabbit mAb (A28932) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KO Validated] MGAT1 Rabbit mAb (A28932) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.