

For Research Use Only

# MGAT4B Polyclonal antibody

Catalog Number: 30718-1-AP



## Basic Information

<b>Catalog Number:</b> 30718-1-AP	<b>GenBank Accession Number:</b> BC009464	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 220 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11282	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 548 aa, 63 kDa	
<b>Immunogen Catalog Number:</b> AG33769	<b>Observed MW:</b> 63 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

Human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB :** 37°C incubated mouse liver tissue, human liver tissue

**IHC :** mouse liver tissue, mouse kidney tissue

## Background Information

MGAT4B belongs to the N-Acetylglucosaminyltransferase-IV family and catalyzes the transfer of GlcNAc from UDP-GlcNAc to the GlcNAc $\beta$ 1-2Man $\alpha$ 1-3 arm of the core structure of N-linked glycans through a  $\beta$ 1-4 linkage and participates in the production of tri- and tetra-antennary N-linked sugar chains (PMID: 17006639, 10372966). MGAT4B has lower affinities for donors or acceptors than MGAT4A, suggesting that, under physiological conditions, it is not the main contributor to N-glycan biosynthesis (PMID:17006639).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

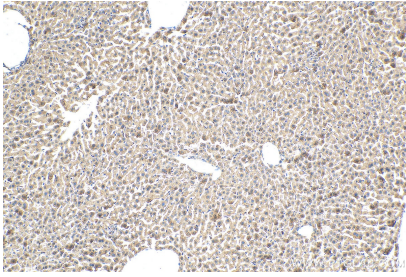
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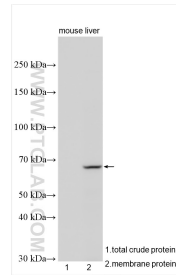
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 30718-1-AP (MGAT4B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 30718-1-AP (MGAT4B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.