

For Research Use Only

MGAT4B Polyclonal antibody

Catalog Number: 30718-1-AP



Basic Information

Catalog Number:

30718-1-AP

Size:

220 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33769

GenBank Accession Number:

BC009464

GeneID (NCBI):

11282

UNIPROT ID:

Q9UQ53

Full Name:

mannosyl (alpha-1,3-)-glycoprotein
beta-1,4-N-
acetylglucosaminyltransferase,
isozyme B

Calculated MW:

548 aa, 63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

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 GlcNAcβ1-2Manα1-3 arm of the core structure of N-linked glycans through a β1-4 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

For technical support and original validation data for this product please contact:

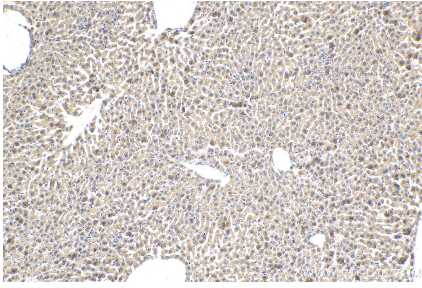
T: 4006900926

E: Proteintech-CN@ptglab.com

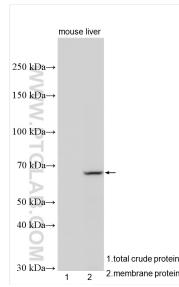
W: ptgcn.com

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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.