

For Research Use Only

MGAT4B Polyclonal antibody

Catalog Number: 30718-1-AP



Basic Information

Catalog Number: 30718-1-AP	GenBank Accession Number: BC009464	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 220 ug/ml by Nanodrop;	GeneID (NCBI): 11282	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9UQ53	IHC 1:50-1:500
Isotype: IgG	Full Name: mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG33769	Calculated MW: 548 aa, 63 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : 37°C incubated mouse liver tissue, human liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse liver tissue, mouse kidney tissue
	IF/ICC : U2OS cells,

Background Information

MGAT4B belongs to the N-Acetylglucosaminyltransferase-IV family and catalyzes the transfer of GlcNAc from UDP-GlcNAc to the GlcNAc β 1-2Man α 1-3 arm of the core structure of N-linked glycans through a β 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

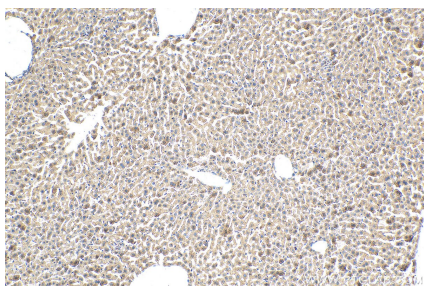
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

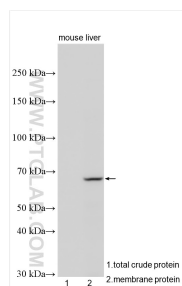
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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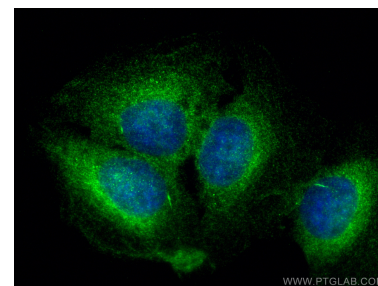
Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MGAT4B antibody (30718-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).