

For Research Use Only

# MGAT5B Polyclonal antibody

Catalog Number: 16993-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 16993-1-AP	<b>GenBank Accession Number:</b> BC062354	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 146664	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase, isozyme B	<b>IHC 1:50-1:500</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 394 aa, 44 kDa, 89 kDa	
<b>Immunogen Catalog Number:</b> AG10678	<b>Observed MW:</b> 89-100 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, rat, mouse

### Cited Species:

human, rat

**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:** HepG2 cells, Jurkat cells, SH-SY5Y cells, MCF-7 cells

**IP:** Jurkat cells,

**IHC:** mouse brain tissue,

**IF:** HepG2 cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Jordyn M Kippe	26104473	Schizophr Res	WB
Kenichiro Nagai	37543361	J Biol Chem	WB, IF
Jia Liu	37335673	Medicine (Baltimore)	IHC

## 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

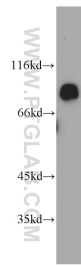
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

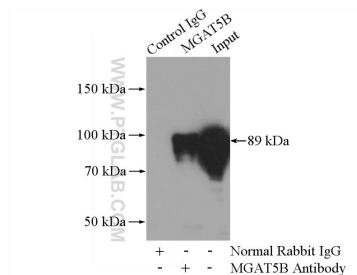
E: proteintech@ptglab.com  
W: ptglab.com

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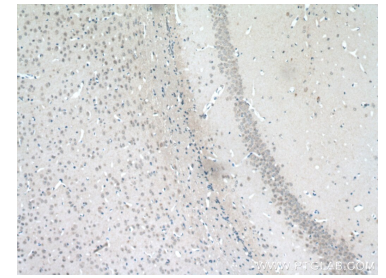
## Selected Validation Data



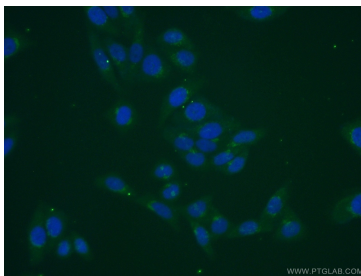
HepG2 cells were subjected to SDS PAGE followed by western blot with 16993-1-AP (MGAT5B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-MGAT5B (IP:16993-1-AP, 4 $\mu$ g; Detection:16993-1-AP 1:700) with Jurkat cells lysate 3600 $\mu$ g.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16993-1-AP (MGAT5B antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 16993-1-AP (MGAT5B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).