

For Research Use Only

# MGAT4C Polyclonal antibody

Catalog Number: 17841-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

17841-1-AP

### Size:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12201

### GenBank Accession Number:

BC064141

### GeneID (NCBI):

25834

### UNIPROT ID:

Q9UBM8

### Full Name:

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

### Calculated MW:

478 aa, 56 kDa

### Observed MW:

55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

## Applications

### Tested Applications:

IP, WB, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : mouse testis tissue, rat testis tissue

IP : mouse testis tissue,

## Background Information

MGAT4C is predicted to be a glycosyltransferase that catalyzes a GlcNAc β 1-4 linkage to the core mannose residues of N-glycans, resulting in N-glycans with tri- or tetraantennary structures. Recently MGAT4C has been found to get involved in processing complex N-glycan structures on CD133 and CD133 has been identified as a substrate of MGAT4C. Given to the fact that CD133 is widely used as a marker of numerous stem cell and cancer stem cell types, MGAT4C may have an important role in certain cancers. (PMID: 21937449)

## Notable Publications

Author	Pubmed ID	Journal	Application
Lijie Zhou	34185414	Clin Transl Med	WB
Cambrian Y Liu	37652012	Dev Cell	IHC
Mak Anthony B AB	21937449	J Biol Chem	WB

## 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:

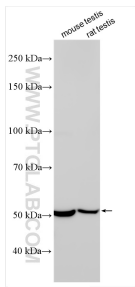
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

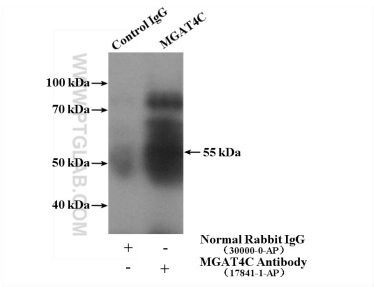
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17841-1-AP (MGAT4C antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-MGAT4C (IP:17841-1-AP, 4ug; Detection:17841-1-AP 1:400) with mouse testis tissue lysate 4000ug.