

For Research Use Only

# MGAT4C Polyclonal antibody

Catalog Number: 17841-1-AP

Featured Product

2 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

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**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
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:

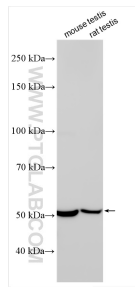
T: 4006900926

E: Proteintech-CN@ptglab.com

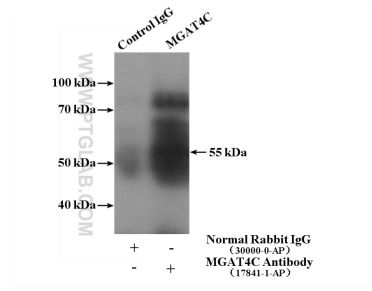
W: ptgcn.com

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## 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.