For Research Use Only

MGAT4C Polyclonal antibody

Catalog Number:17841-1-AP Featured Product 4 Publications

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Basic Information

Catalog Number:
17841-1-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
WB, IP, 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 β1-4 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
Jingwei Xiong	42417419	Biomed Res Int	
Cambrian Y Liu	37652012	Dev Cell	IHC

Storage

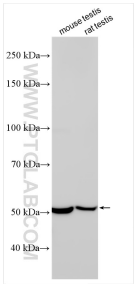
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

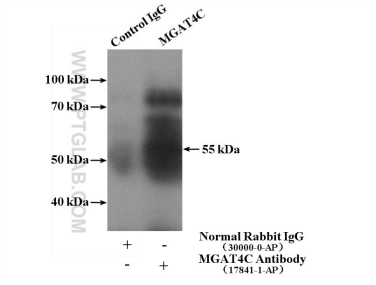
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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.