

## MGAT4B Antibody (F53921)

Catalog No.	Formulation	Size
F53921-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53921-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q9UQ53
<b>Applications</b>	Western Blot : 1:1000-2000
<b>Limitations</b>	This MGAT4B antibody is available for research use only.



Western blot testing of human pancreas lysate with MGAT4B antibody at 1:2000. Predicted molecular weight ~63 kDa but may be observed at higher molecular weights due to glycosylation.

## Description

Glycosyltransferase that participates in the transfer of N-acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAc $\beta$ 1-4 branch on the GlcNAc $\beta$ 1-2Man $\alpha$ 1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains. Has lower affinities for donors or acceptors than MGAT4A, suggesting that, under physiological conditions, it is not the main contributor in N- glycan biosynthesis.

## Application Notes

Titration of the MGAT4B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 32-62 from the human protein was used as the immunogen for the MGAT4B antibody.

## Storage

Aliquot the MGAT4B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.