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Datasheet for ABIN7143765

anti-MGAT4B antibody (AA 380-522)

2 Images



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Alternative Name:

Background:

Quantity:	100 μg
Target:	MGAT4B
Binding Specificity:	AA 380-522
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MGAT4B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	
Immunogen:	Recombinant Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase
	B protein (380-522AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified
Target Details	
Target:	MGAT4B

Background: Glycosyltransferase that participates in the transfer of N-acetylglucosamine

MGAT4B (MGAT4B Products)

(GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAcbeta1-4 branch on the GlcNAcbeta1-2Manalpha1-3 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.

Aliases: 3-D-mannoside beta-1 antibody, 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B antibody, 4-N-acetylglucosaminyltransferase IVb antibody, Alpha-1 amannosyl glycoprotein beta 1 4 N acetylglucosaminyltransferase antibody, Alpha-1

acetylglucosaminyltransferase B antibody, 4-N-acetylglucosaminyltransferase IVb antibody, Alpha 1 3 mannosyl glycoprotein beta 1 4 N acetylglucosaminyltransferase antibody, Alpha-1 antibody, Aminyltransferase antibody, GlcNAc T IVb antibody, GlcNAc-T IVb antibody, GNT IV antibody, GNT IVB antibody, GNT-IVb antibody, GNTIVB antibody, Mannosyl (alpha 1 3) glycoprotein beta 1 4 N acetylglucosaminyltransferase isozyme B antibody, MGAT 4B antibody, mgat4b antibody, MGT4B_HUMAN antibody, N acetylglucosaminyltransferase IVb antibody, N glycosyl oligosaccharide glycoprotein antibody, N glycosyl oligosaccharide glycoprotein N-acetylglucosaminyltransferase IVb antibody, N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVb antibody, UDP N acetylglucosamine alpha 1 3 D mannoside beta 1 4 N acetylglucosaminyltransferase IVb antibody, UDP-N-acetylglucosamine: alpha-1 antibody

UniProt:

Q9UQ53

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500,
Application Notes.	Recommended dilution. VVB.1.500-1.5000, Inc.1.200-1.500,

Restrictions: For Research Use only

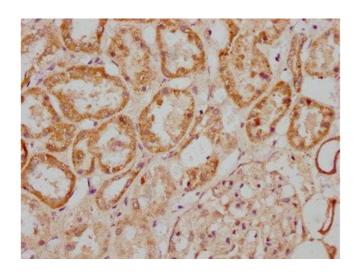
Handling

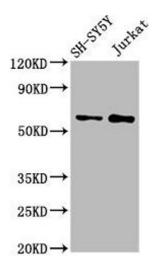
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images





Immunohistochemistry

Image 1. IHC image of ABIN7143765 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Western Blotting

Image 2. Western Blot Positive WB detected in: SH-SY5Y whole cell lysate, Jurkat whole cell lysate All lanes: MGAT4B antibody at $3 \mu g/mL$ Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 64, 65 kDa Observed band size: 64 kDa