



MGAT3 mouse mAb

Catalog No	YP-mAb-17987
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MGAT3 GGNT3
Immunogen	Synthesized peptide derived from human MGAT3
Specificity	This antibody detects endogenous levels of MGAT3 at Human,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GGNT3;GlcNAc T III;GNT III;GNT3;MGAT3;MGAT3 GGNT3;Beta-1;4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase (EC 2.4.1.144) (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase III) (GNT-III) (GlcNAc-T III) (N-acetylglu
Observed Band	61 kDa
Calculated Molecular Weight	533 aa, 61 kDa
Cell Pathway	Golgi apparatus membrane; Single-pass type II membrane protein .
Tissue Specificity	
Function	It is involved in the regulation of the biosynthesis and biological function of glycoprotein oligosaccharides. Catalyzes the addition of N-acetylglucosamine in beta 1-4 linkage to the beta-linked mannose of the trimannosyl core of N-linked sugar chains, called bisecting N-acetylglucosamine (GlcNAc). It is one of the most important enzymes involved in the regulation of the biosynthesis of glycoprotein oligosaccharides. The addition of this bisecting GlcNAc residue alters not only the composition, but also the conformation of the N-glycan. The introduction of the bisecting GlcNAc residue results in the suppression of further processing and elongation of N-glycans, precluding the formation of beta-1,6 GlcNAc branching, catalyzed by MGAT5 since it is unable to use the bisected



oligosaccharide as a substrate . Addition of bisecting N-acetylglucosamine to CDH1/E-cadherin modulates CDH1 cell m

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images