

ARG44143 anti-MGAT4B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes MGAT4B
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MGAT4B
Species	Human
Immunogen	Human MGAT4B recombinant protein (Position: Q31-D548).
Conjugation	Un-conjugated
Alternate Names	MGAT4B; Alpha-1,3-Mannosyl-Glycoprotein 4-Beta-N-Acetylglucosaminyltransferase B; UDP-N-Acetylglucosamine: Alpha-1,3-D-Mannoside Beta-1,4-N-Acetylglucosaminyltransferase IVb; Mannosyl (Alpha-1,3-)-Glycoprotein Beta-1,4-N-Acetylglucosaminyltransferase, Isoenzyme B; Mannosyl (Alpha-1,3-)-Glycoprotein Beta-1,4-N-Acetylglucosaminyltransferase, Isozyme B; N-Glycosyl-Oligosaccharide-Glycoprotein N-Acetylglucosaminyltransferase IVb; N-Acetylglucosaminyltransferase IVb; GlcNAc-T IVb; EC 2.4.1.145; GnT-IVb; UDP-N-Acetylglucosamine: Alpha-1,3-D-Mannoside Beta-1,4-N-Acetylglucosaminyltransferase IV; Alpha-1,3-Mannosyl-Glycoprotein Beta-1,4-N-Acetylglucosaminyltransferase; Aminyltransferase; GNT-IVB; GnT-IVb; GNT-IV

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 5 µg/ml
	WB	0.25 - 0.5 µg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

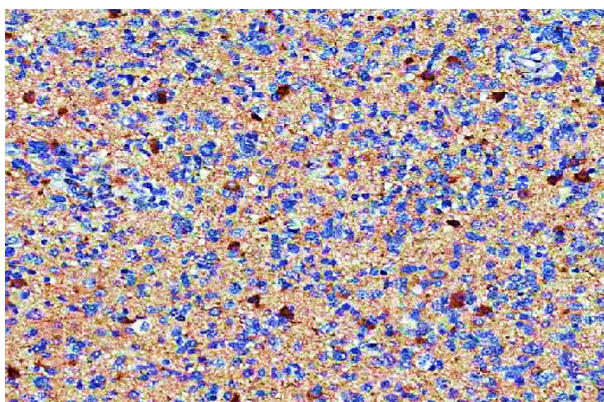
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

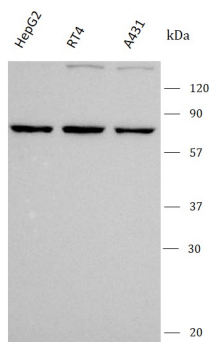
Gene Symbol	MGAT4B
Gene Full Name	Alpha-1,3-Mannosyl-Glycoprotein 4-Beta-N-Acetylglucosaminyltransferase B
Background	This gene encodes a key glycosyltransferase that regulates the formation of tri- and multiantennary branching structures in the Golgi apparatus. The encoded protein, in addition to the related isoenzyme A, catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc in a beta-1,4 linkage to the Man-alpha-1,3-Man-beta-1,4-GlcNAc arm of R-Man-alpha-1,6(GlcNAc-beta-1,2-Man-alpha-1,3)Man-beta-1,4-GlcNAc-beta-1,4-GlcNAc-beta-1-Asn. The encoded protein may play a role in regulating the availability of serum glycoproteins, oncogenesis, and differentiation.
Function	Glycosyltransferase that catalyzes the transfer of GlcNAc from UDP-GlcNAc to the GlcNAcbeta1-2Manalpha1-3 arm of the core structure of N-linked glycans through a beta1-4 linkage and participates in the production of tri- and tetra-antennary N-linked sugar chains.
Calculated Mw	63 kDa
PTM	Glycoprotein
Cellular Localization	Golgi apparatus, Membrane

Images



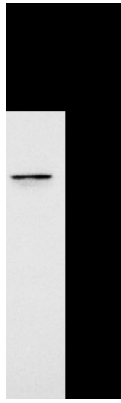
ARG44143 anti-MGAT4B antibody IHC-P image

Immunohistochemistry: Human glioma stained with ARG44143 anti-MGAT4B antibody at 2 µg/ml dilution.



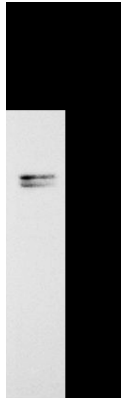
ARG44143 anti-MGAT4B antibody WB image

Western blot: HepG2, RT4 and A431 stained with ARG44143 anti-MGAT4B antibody at 0.5 µg/ml dilution.



ARG44143 anti-MGAT4B antibody WB image

Western blot: Rat kidney stained with ARG44143 anti-MGAT4B antibody at 0.5 µg/ml dilution.



ARG44143 anti-MGAT4B antibody WB image

Western blot: Mouse kidney stained with ARG44143 anti-MGAT4B antibody at 0.5 µg/ml dilution.