

DATASHEET

GnT-IVb Rabbit Polyclonal Antibody

CAT. NO. APA16142

KEY FEATURES

Target	GnT-IVb	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Glycosyltransferase that catalyzes the transfer of GlcNAc from UDP-GlcNAc to the GlcNAc β 1-2Man α 1-3 arm of the core structure of N-linked glycans through a β 1-4 linkage and participates in the production of tri- and tetra-antennary N-linked sugar chains . Prefers complex-type N-glycans over hybrid-types . 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

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

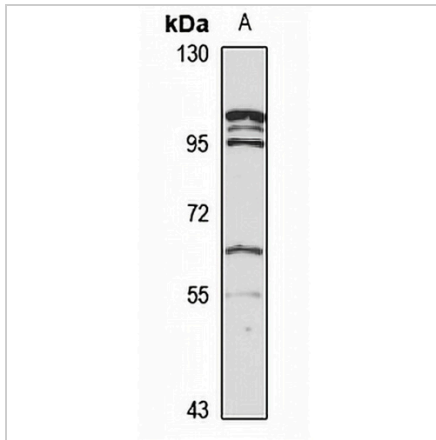
Description	Rabbit polyclonal antibody to GnT-IVb
Specificity	Recognizes endogenous levels of GnT-IVb protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GnT-IVb. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 63; Observed: 63 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Alpha-1 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVb; GlcNAc-T IVb; GnT-IVb; N-acetylglucosaminyltransferase IVb; UDP-N-acetylglucosamine: alpha-1 3-D-mannoside beta-1 4-N-acetylglucosaminyltransferase IVb
Gene Symbol	MGAT4B
Entrez Gene	11282(Human)
SwissProt	Q9UQ53(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of GnT-IVb expression in A549 (A) whole cell lysates. (Predicted band size: 63; 64 kD; Observed band size: 63 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.