

DATASHEET

beta 3Gn-T5 Rabbit Polyclonal Antibody

CAT. NO. APA15142

KEY FEATURES

Target	beta 3Gn-T5	Source / Host	Rabbit
Reactivity	Human, Mouse	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

Beta-1,3-N-acetylglucosaminyltransferase that plays a key role in the synthesis of lacto- or neolacto-series carbohydrate chains on glycolipids, notably by participating in biosynthesis of HNK-1 and Lewis X carbohydrate structures. Has strong activity toward lactosylceramide (LacCer) and neolactotetraosylceramide (nLc(4)Cer; paragloboside), resulting in the synthesis of Lc(3)Cer and neolactopentaosylceramide (nLc(5)Cer), respectively. Probably plays a central role in regulating neolacto-series glycolipid synthesis during embryonic development.

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

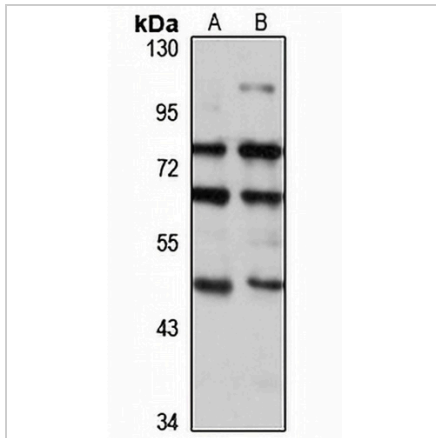
Description	Rabbit polyclonal antibody to beta 3Gn-T5
Specificity	Recognizes endogenous levels of beta 3Gn-T5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human beta 3Gn-T5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 44 kD; Observed: 44 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	Lactosylceramide 1 3-N-acetyl-beta-D-glucosaminyltransferase; Lactotriaosylceramide synthase; Lc(3)Cer synthase; Lc3 synthase; UDP-GlcNAc:beta-Gal beta-1 3-N-acetylglucosaminyltransferase 5; BGnT-5; Beta-1 3-Gn-T5; Beta-1 3-N-acetylglucosaminyltransferase 5; Beta3Gn-T5
Gene Symbol	B3GNT5
Entrez Gene	84002(Human); 108105(Mouse)
SwissProt	Q9BYG0(Human); Q8BGY6(Mouse)

*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 beta 3Gn-T5 expression in A549 (A) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 44 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.