

**DATASHEET**

**beta 3Gn-T3 Rabbit Polyclonal Antibody**

CAT. NO. APA15141

**KEY FEATURES**

Target	beta 3Gn-T3	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB, IHC	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 involved in the synthesis of poly-N-acetylglucosamine. Has activity for type 2 oligosaccharides. Also acts as a core1-1,3-N-acetylglucosaminyltransferase (Core1-beta3GlcNAcT) to form the 6-sulfo sialyl Lewis x on extended core1 O-glycans.

**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
IHC	1:50 - 1:200

\*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-T3
Specificity	Recognizes endogenous levels of beta 3Gn-T3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human beta 3Gn-T3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 42 kD; Observed: 50 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	B3GALT8; TMEM3; UDP-GlcNAc:betaGal beta-1 3-N-acetylglucosaminyltransferase 3; BGnT-3; Beta-1 3-Gn-T3; Beta-1 3-N-acetylglucosaminyltransferase 3; Beta3Gn-T3; Beta-1 3-galactosyltransferase 8; Beta-1 3-GalTase 8; Beta3Gal-T8; Beta3GalT8; b3Gal-T8; Beta-3-Gx-T8; Core 1 extending beta-1 3-N-acetylglucosaminyltransferase; Core1-beta3GlcNAcT; Transmembrane protein 3; UDP-Gal:beta-GlcNAc beta-1 3-galactosyltransferase 8; UDP-galactose:beta-N-acetylglucosamine beta-1 3-galactosyltransferase 8
Gene Symbol	B3GNT3
Entrez Gene	10331(Human); 72297(Mouse)
SwissProt	Q9Y2A9(Human); Q5JCS9(Mouse)

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

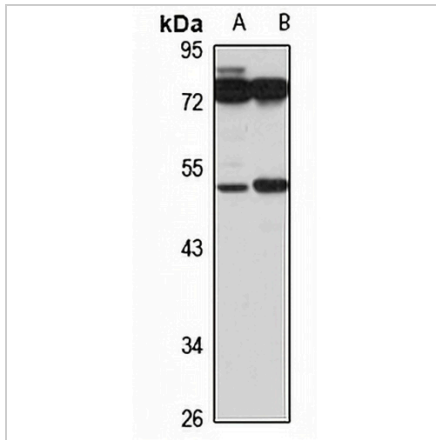
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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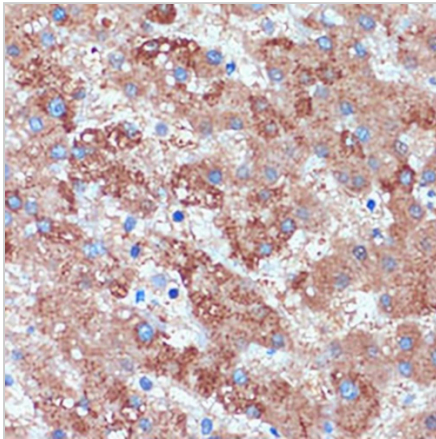
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**DATA**



Western blot analysis of beta 3Gn-T3 expression in HEK293T (A), mouse stomach (B) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 50 kD)



Immunohistochemical analysis of beta 3Gn-T3 staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**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.