

DATASHEET

B3GNT1 Rabbit Polyclonal Antibody

CAT. NO. APA17938

KEY FEATURES

Target	B3GNT1	Source / Host	Rabbit
Reactivity	Human	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-1,4-glucuronyltransferase involved in O-mannosylation of alpha-dystroglycan (DAG1) . Transfers a glucuronic acid (GlcA) residue onto a xylose (Xyl) acceptor to produce the glucuronyl-beta-1,4-xylose-beta disaccharide primer, which is further elongated by LARGE1, during synthesis of phosphorylated O-mannosyl glycan . Phosphorylated O-mannosyl glycan is a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity . Required for axon guidance; via its function in O-mannosylation of alpha-dystroglycan (DAG1) .

APPLICATION

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

WB	1:500 - 1:1000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

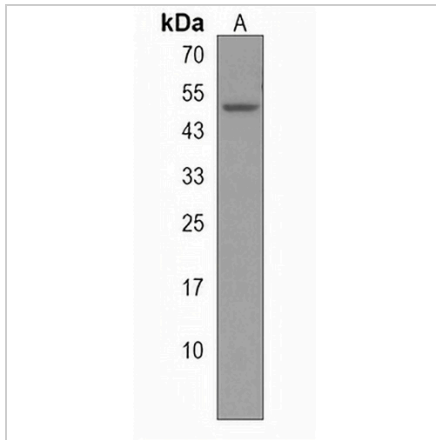
Description	Rabbit polyclonal antibody to B3GNT1
Specificity	Recognizes endogenous levels of B3GNT1 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human B3GNT1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 47 kD; Observed: 47 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	B3GNT6; N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase; I-beta-1,3-N-acetylglucosaminyltransferase; iGnT; Poly-N-acetyllactosamine extension enzyme; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1
Gene Symbol	B3GNT1
Entrez Gene	11041(Human)
SwissProt	O43505(Human)

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

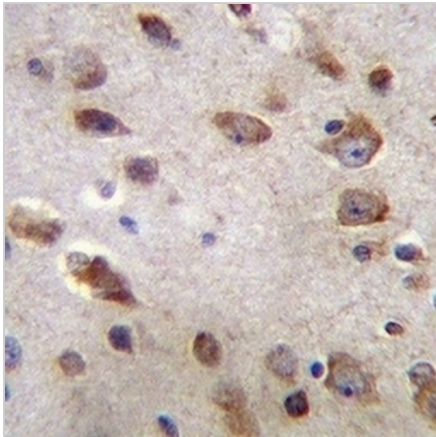
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET**B3GNT1 Rabbit Polyclonal Antibody**

CAT. NO. APA17938

DATA

Western blot analysis of B3GNT1 expression in MDAMB435 (A) whole cell lysates.
(Predicted band size: 47 kD; Observed band size: 47 kD)



Immunohistochemical analysis of B3GNT1 staining in human brain 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.