

DATASHEET

B3GNT4 Rabbit Polyclonal Antibody

CAT. NO. APA17548

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | B3GNT4 | Source / Host | Rabbit |
| Reactivity | Human, Mouse | Clonality | Polyclonal |
| Applications | WB, FC | 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-acetyllactosamine. Has activity for type 2 oligosaccharides.

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 |
| FC | 1:10 - 1:50 |

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

PRODUCT OVERVIEW

| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to B3GNT4 |
| Specificity | Recognizes endogenous levels of B3GNT4 protein. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the Central region of human B3GNT4. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 42 kD; Observed: 35 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 | UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4; BGnT-4; Beta-1,3-Gn-T4; Beta-1,3-N-acetylglucosaminyltransferase 4; Beta3Gn-T4 |
| Gene Symbol | B3GNT4 |
| Entrez Gene | 79369(Human); 231727(Mouse) |
| SwissProt | Q9C0J1(Human); Q1RLK6(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.

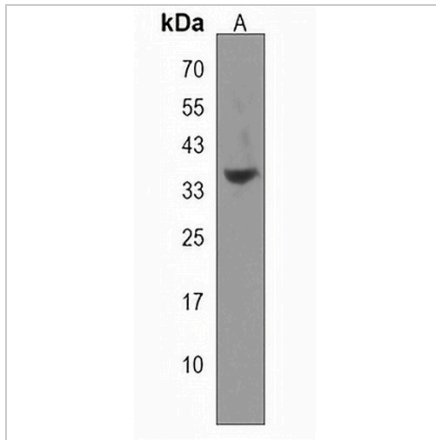
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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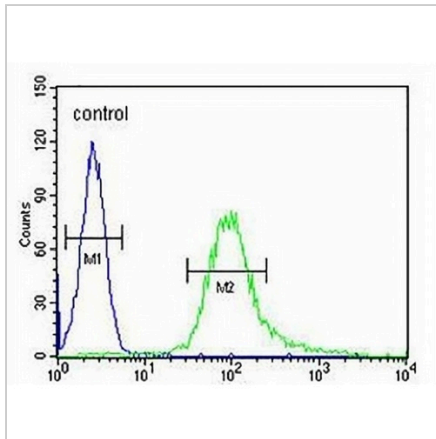
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Western blot analysis of B3GNT4 expression in HL60 (A) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 35 kD)



Flow cytometric analysis of HL60 cells using Anti-B3GNT4 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

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.