

## ARG45600 anti-B3GNT2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes B3GNT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	B3GNT2
Species	Human
Immunogen	Recombinant protein containing to human B3GNT2.
Conjugation	Un-conjugated
Alternate Names	B3GNT2; UDP-GlcNAc:BetaGal Beta-1,3-N-Acetylglucosaminyltransferase 2; BETA3GNT; B3GNT-2; B3GN-T2; B3GNT1; N-Acetylglucosaminyltransferase 2; UDP-GlcNAc:BetaGal Beta-1,3-N-Acetylglucosaminyltransferase 1; Beta3Gn-T1; Beta3Gn-T2; B3GN-T1; BGnT-2; UDP-Galactose:Beta-N-Acetylglucosamine Beta-1,3-Galactosyltransferase 7; UDP-Gal:Beta-GlcNAc Beta-1,3-Galactosyltransferase 7; Beta-1,3-N-Acetylglucosaminyltransferase BGnT-1; Beta-1,3-N-Acetylglucosaminyltransferase BGnT-2; Beta-1,3-N-Acetylglucosaminyltransferase 1; Beta-1,3-N-Acetylglucosaminyltransferase 2; Beta-1,3-Galactosyltransferase 7; Beta-1,3-GalTase 7; Beta-1,3-Gn-T1; Beta-1,3-Gn-T2; Beta-3-Gx-T7; EC 2.4.1.149; Beta3Gal-T7; Beta3GalT7; B3Gal-T7; 3-Gn-T1; 3-Gn-T2; B3GALT7; Beta-1; BGnT-1; B3GNT; BGNT2

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	55 kDa	

### Properties

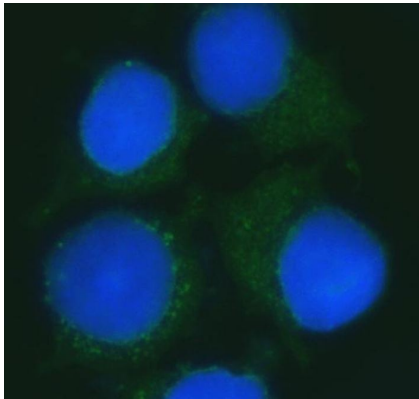
Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

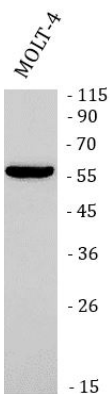
Gene Symbol	B3GNT2
Gene Full Name	UDP-GlcNAc:BetaGal Beta-1,3-N-Acetylglucosaminyltransferase 2
Background	This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It prefers the substrate of lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2016]
Function	Beta-1,3-N-acetylglucosaminyltransferase involved in the synthesis of poly-N-acetyllactosamine. Catalyzes the initiation and elongation of poly-N-acetyllactosamine chains. Shows a marked preference for Gal(beta1-4)Glc(NAc)-based acceptors. Probably constitutes the main polylactosamine synthase. [UniProt]
Calculated Mw	46 kDa
PTM	Glycoprotein. [UniProt]
Cellular Localization	Golgi apparatus; Membrane. [UniProt]

Images



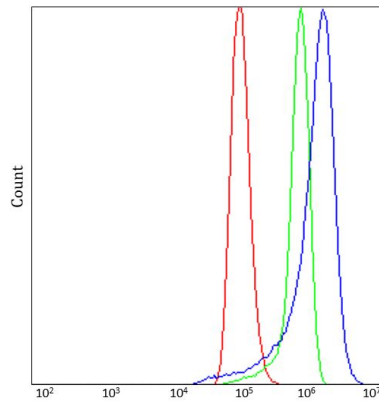
ARG45600 anti-B3GNT2 antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG45600 anti-B3GNT2 antibody at 5 µg/ml dilution.



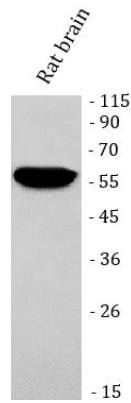
ARG45600 anti-B3GNT2 antibody WB image

Western blot: MOLT-4 stained with ARG45600 anti-B3GNT2 antibody at 0.5 µg/ml dilution.



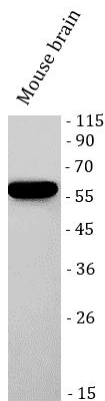
ARG45600 anti-B3GNT2 antibody FACS image

Flow Cytometry: Hela stained with ARG45600 anti-B3GNT2 antibody at  $1\text{ }\mu\text{g}/10^6$  cells dilution.



ARG45600 anti-B3GNT2 antibody WB image

Western blot: Rat brain stained with ARG45600 anti-B3GNT2 antibody at  $0.5\text{ }\mu\text{g}/\text{ml}$  dilution.



ARG45600 anti-B3GNT2 antibody WB image

Western blot: Mouse brain stained with ARG45600 anti-B3GNT2 antibody at  $0.5\text{ }\mu\text{g}/\text{ml}$  dilution.