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Datasheet for ABIN7145411
anti-B3GNT1 antibody (AA 161-415) (HRP)

Overview

Quantity:	100 µg
Target:	B3GNT1
Binding Specificity:	AA 161-415
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B3GNT1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Beta-1,4-glucuronyltransferase 1 protein (161-415AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	B3GNT1
Alternative Name:	B4GAT1 (B3GNT1 Products)
Background:	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

Target Details

glucuronyl-beta-1,4-xylose-beta disaccharide primer, which is further elongated by LARGE, during synthesis of phosphorylated O-mannosyl glycan (PubMed:25279699, PubMed:25279697). Phosphorylated O-mannosyl glycan is a carbohydrate is a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:25279699, PubMed:25279697). Required for axon guidance, via its function in O-mannosylation of alpha-dystroglycan (DAG1).

Aliases: 3-N-acetylglucosaminyltransferase 1 antibody, 3-N-acetylglucosaminyltransferase antibody, B3GN-T1 antibody, B3GN1_HUMAN antibody, B3GNT1 antibody, B3GNT6 antibody, beta-1,3-N-acetylglucosaminyltransferase bGnT-6 antibody, BETA3GNT1 antibody, I-beta-1 antibody, i-beta-1,3-N-acetylglucosaminyltransferase antibody, iGAT antibody, iGnT antibody, N-acetyllactosaminide beta-1 antibody, N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase antibody, OTTHUMP00000235058 antibody, Poly-N-acetyllactosamine extension enzyme antibody, UDP-GlcNAc:betaGal beta-1 antibody, UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 antibody, UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 antibody

UniProt: [O43505](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.