

LARGE Antibody (Center)

Catalog_no :	AB3568
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This LARGE antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 365-398 amino acids from the Central region of human LARGE.
Dilution :	WB,1:2000;
Other_name :	Glycosyltransferase-like protein LARGE1, 2.4.-., Acetylglucosaminyltransferase-like 1A, Xylosyltransferase LARGE, 2.4.2.-, Beta-1,3-glucuronyltransferase LARGE, 2.4.1.-, LARGE, KIAA0609, LARGE1
Isotype :	Rabbit Ig
Background :	Bifunctional glycosyltransferase with both xylosyltransferase and beta-1,3-glucuronyltransferase activities involved in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine- beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1) (PubMed: 2223806). Phosphorylated O- mannosyl trisaccharid is required for binding laminin G-like domain-containing extracellular proteins with high affinity and plays a key role in skeletal muscle function and regeneration. LARGE elongates the glucuronyl-beta-1,4-xylose-beta disaccharide primer structure initiated by B3GNT1/B4GAT1 by adding repeating units [-3-Xylose-alpha-1,3-GlcA-beta-1-] to produce a heteropolysaccharide (PubMed: 25279699).
reference :	Peyrard M.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:598-603(1999). Nagase T.,et al.DNA Res. 5:31-39(1998). Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004). Dunham I.,et al.Nature 402:489-495(1999). Fujimura K.,et al.Biochem. Biophys. Res. Commun.