Datasheet for ABIN1437342

anti-B4GALT7 antibody (PE)

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Overview

Quantity:	100 µL
Target:	B4GALT7
Reactivity:	Human, Mouse, Rat, Chicken, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT7 antibody is conjugated to PE
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human B4GALT7
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	B4GALT7
Alternative Name:	B4GALT7 (B4GALT7 Products)
Background:	Synonyms: B4GAL T7, Beta 1,4 galactosyltransferase 7, Beta 1,4 GalTase 7, Beta4Gal T7, UDP Gal:beta GlcNAc beta 1,4 galactosyltransferase 7, XGALT 1, XGALT1, XGPT1, Xylosylprotein beta 1,4 galactosyltransferase, polypeptide 7, B4GT7_HUMAN. Background: Beta-1,4-galactosyltransferases (beta-1,4-Gal-T) are type II membrane-bound

Target Details

	glycoproteins that are substrate-specific and function to transfer galactose in a beta-1,4 linkage to an acceptor sugar. There are seven members of the beta-1,4-Gal-T family, all of which are directed to the golgi apparatus through a hydrophobic sequence at the N-terminus. Beta-1,4-Gal-T7, also known as B4GALT7 or XGALT1, is a 327 amino acid single-pass type II membrane protein that is expressed at high levels in heart, pancreas and liver. Beta-1,4-Gal-T7 uses manganese to catalyze the UDP-dependent biosynthesis of glycosphingolipids. The gene encoding beta-1,4-Gal-T7 is mutated in Ehlers-Danlos syndrome progeroid type (EDSP), a variant form of Ehlers-Danlos syndrome characterized by progeroid facies, mild mental retardation, short stature, skin hyperextensibility, moderate skin fragility, joint hypermobility principally in digits. Beta-1,4-galactosyltransferases (Beta-1,4-Gal-T) are type II membrane-bound glycoproteins that are substrate-specific and function to transfer galactose in a beta-1,4 linkage to an acceptor sugar.
Molecular Weight:	37kDa
Gene ID:	11285
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months