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## Datasheet for ABIN1404319 anti-B4GALT7 antibody (Biotin)



Overview	
Quantity:	100 μL
Target:	B4GALT7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT7 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	KLH conjugated synthetic peptide derived from human B4GALT7
lsotype:	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

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	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.
Gene ID:	11285
Pathways:	Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	WB 1:300-5000
	IHC-P 1:200-400
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:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

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