10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

B4GALT7 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21133a

Product Information

Application	WB, E
Primary Accession	Q9UBV7
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51691
Calculated MW	37406

Additional Information

Gene ID	11285
Other Names	Beta-1, 4-galactosyltransferase 7, Beta-1, 4-GalTase 7, Beta4Gal-T7, b4Gal-T7, 241-, UDP-Gal:beta-GlcNAc beta-1, 4-galactosyltransferase 7, UDP-galactose:beta-N-acetylglucosamine beta-1, 4-galactosyltransferase 7, Xylosylprotein 4-beta-galactosyltransferase, Proteoglycan UDP-galactose:beta-xylose beta1, 4-galactosyltransferase I, UDP-galactose:beta-xylose beta-1, 4-galactosyltransferase, XGPT, XGalT-1, Xylosylprotein beta-1, 4-galactosyltransferase, B4GALT7, XGALT1
Target/Specificity	This B4GALT7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 256-290 amino acids from the C-terminal region of human B4GALT7.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	B4GALT7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	B4GALT7

Synonyms	XGALT1
Function	Required for the biosynthesis of the tetrasaccharide linkage region of proteoglycans, especially for small proteoglycans in skin fibroblasts.
Cellular Location	Golgi apparatus, Golgi stack membrane; Single- pass type II membrane protein. Note=Cis cisternae of Golgi stack
Tissue Location	High expression in heart, pancreas and liver, medium in placenta and kidney, low in brain, skeletal muscle and lung

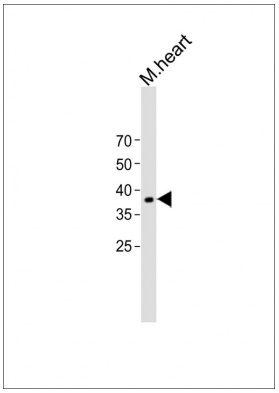
Background

Required for the biosynthesis of the tetrasaccharide linkage region of proteoglycans, especially for small proteoglycans in skin fibroblasts.

References

Almeida R.,et al.J. Biol. Chem. 274:26165-26171(1999).
Okajima T.,et al.J. Biol. Chem. 274:22915-22918(1999).
Lo N.-W.,et al.Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



All lanes: Anti-B4GALT7 Antibody (C-term) at 1:1000 dilution + Mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 37. 4 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.