



Mouse anti-Human B3GALT6 monoclonal antibody, clone 4F6 (CABT-B9826)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	B3GALT6 (NP_542172, 229 a.a. ~ 330 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4F6
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	RLSRDYLRAWHSEDVSLGAWLAPVDVQREHDPRFDTEYRSRGCSNQYLVTHKQSLEDMLE KHATLAREGRLCKREVQLRLSYVYDWSAPPSQCCQRREGIP*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The enzyme encoded by this intronless gene is a beta-1,3-galactosyltransferase found in the medial Golgi apparatus, where it catalyzes the transfer of galactose from UDP-galactose to
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substrates containing a terminal beta-linked galactose moiety. The encoded enzyme has a particular affinity for galactose-beta-1,4-xylose found in the linker region of glycosamines. This enzyme is required for glycosaminoglycan synthesis. [provided by RefSeq, Jun 2013]

Keywords	B3GALT6; UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6; EDSP2; SEMDJL1; beta3GalT6; beta-1,3-galactosyltransferase 6; GAG GalTII; beta3Gal-T6; beta-1,3-GalTase 6; galactosyltransferase II; galactosylxylosylprotein 3-beta-galactosyltransferase; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 6;
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GENE INFORMATION

Entrez Gene ID	126792
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UniProt ID	Q96L58
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Pathway	Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; Metabolic pathways, organism-specific biosystem
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Function	UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity; UDP-galactosyltransferase activity; galactosylxylosylprotein 3-beta-galactosyltransferase activity; transferase activity, transferring glycosyl groups
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