



Rabbit Anti-Human XYLT2 Polyclonal Antibody (CABT-L2223)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Xylosyltransferase II (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against XYLT2. It has been selected for its ability to recognize XYLT2 in immunohistochemical staining and western blotting.
Target	XYLT2
Immunogen	Recombinant fragment corresponding to human XYLT2 (Phe596~Arg865)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The protein encoded by this gene is an isoform of xylosyltransferase, which belongs to a family of glycosyltransferases. This enzyme transfers xylose from UDP-xylose to specific serine residues of the core protein and initiates the biosynthesis of glycosaminoglycan chains in proteoglycans including chondroitin sulfate, heparan sulfate, heparin and dermatan sulfate. The enzyme activity, which is increased in scleroderma patients, is a diagnostic marker for the determination of sclerotic activity in systemic sclerosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]
Keywords	XT-II;XT2;xyIT-II;PXYLT2;Protein Xylosyltransferase 2;Peptide O-xylosyltransferase 1

GENE INFORMATION

Gene Name	XYLT2 xylosyltransferase II [Homo sapiens (human)]
Official Symbol	XYLT2
Synonyms	XYLT2; xylosyltransferase II; XT2; XT-II; PXYLT2; xyIT-II; xylosyltransferase 2; protein xylosyltransferase 2; peptide O-xylosyltransferase 1; UDP-D-xylose:proteoglycan core protein beta-D-xylosyltransferase;
Entrez Gene ID	64132
Protein Refseq	NP_071450
UniProt ID	B4DT06
Chromosome Location	17q21.33
Pathway	Glycosaminoglycan biosynthesis - chondroitin sulfate / dermatan sulfate; Glycosaminoglycan biosynthesis - heparan sulfate / heparin; Glycosaminoglycan biosynthesis, linkage tetrasaccharide; Metabolic pathways; chondroitin sulfate biosynthesis; dermatan sulfate biosynthesis; glycoaminoglycan-protein linkage region biosynthesis; heparan sulfate biosynthesis;
Function	acetylglucosaminyltransferase activity; protein xylosyltransferase activity;