

β -1,4-GalNAc-T Polyclonal Antibody

Catalog No :	YT5006
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	β -1,4-GalNAc-T
Fields :	>>Glycosaminoglycan biosynthesis - chondroitin sulfate / dermatan sulfate;>>Metabolic pathways
Gene Name :	CSGALNACT1
Protein Name :	Chondroitin sulfate N-acetylgalactosaminyltransferase 1
Human Gene Id :	55790
Human Swiss Prot No :	Q8TDX6
Mouse Gene Id :	234356
Mouse Swiss Prot No :	Q8BJQ9
Immunogen :	The antiserum was produced against synthesized peptide derived from human CSGALNACT1. AA range:201-250
Specificity :	β -1,4-GalNAc-T Polyclonal Antibody detects endogenous levels of β -1,4-GalNAc-T protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 60kD

Cell Pathway : Chondroitin sulfate biosynthesis;

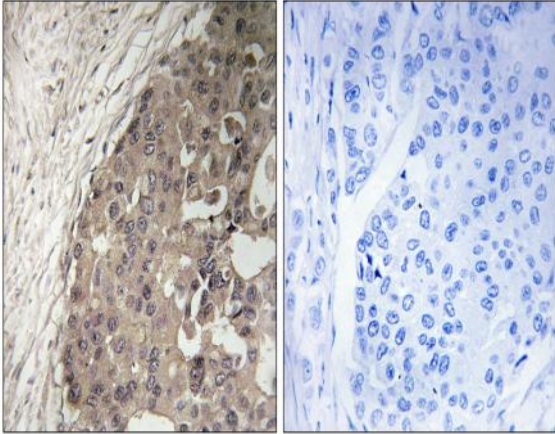
Background : catalytic activity:UDP-N-acetyl-D-galactosamine + beta-D-glucuronyl-(1->3)-D-galactosyl-proteoglycan = UDP + N-acetyl-D-galactosaminy-(1->4)-beta-D-glucuronyl-(1->3)-beta-D-galactosylproteoglycan.,function:Transfers 1,4-N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of glucuronic acid (GlcUA). Required for addition of the first GalNAc to the core tetrasaccharide linker and for elongation of chondroitin chains. Important role in chondroitin chain biosynthesis in cartilage.,online information:Chondroitin beta-1,4-N-acetylgalactosaminytransferase 1,online information:GlycoGene database,PTM:N-glycosylated.,similarity:Belongs to the chondroitin N-acetylgalactosaminytransferase family.,tissue specificity:Ubiquitous, with the highest levels in placenta, thyroid, bladder, prostate and adrenal gland. Detected at low levels in the other tissues examined.,

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Subcellular Location : Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein .

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Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using CSGALNACT1 Antibody. The picture on the right is blocked with the synthesized peptide.