
Product Name: β -1,4-GalNAc-T Rabbit Polyclonal Antibody**Catalog #: APRab20342**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	60kDa

Antigen Information

Gene Name	CSGALNACT1
Alternative Names	CSGALNACT1; CHGN; GALNACT1; Chondroitin sulfate N-acetylgalactosaminyltransferase 1; CsGalNAcT-1; Chondroitin beta-1; 4-N-acetylgalactosaminyltransferase 1; Beta4GalNAcT-1
Gene ID	55790.0
SwissProt ID	Q8TDX6
Immunogen	The antiserum was produced against synthesized peptide derived from human CSGALNACT1. AA range:201-250

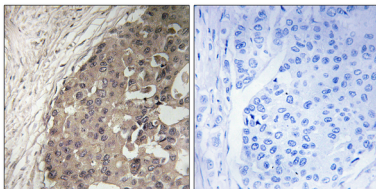
Background

catalytic activity:UDP-N-acetyl-D-galactosamine + beta-D-glucuronyl-(1->3)-D-galactosyl-proteoglycan = UDP + N-acetyl-D-galactosaminyl-(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-acetylgalactosaminyltransferase 1,online information:GlycoGene database,PTM:N-glycosylated.,similarity:Belongs to the chondroitin N-acetylgalactosaminyltransferase 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.,catalytic activity:UDP-N-acetyl-D-galactosamine + beta-D-glucuronyl-(1->3)-D-galactosyl-proteoglycan = UDP + N-acetyl-D-galactosaminyl-(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-acetylgalactosaminyltransferase 1,online information:GlycoGene database,PTM:N-glycosylated.,similarity:Belongs to the chondroitin N-acetylgalactosaminyltransferase 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.,

Research Area

Chondroitin sulfate biosynthesis;

Image Data



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