



β-1,4-GalNAc-T Polyclonal Antibody

Catalog No	YP-Ab-04290
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CSGALNACT1
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	beta4GalNAcT;Beta4GalNAcT 1;ChGn;CSGalNAcT 1;CSGALNACT1; GALNACT1;β-1,4-GalNAc-T;Chondroitin sulfate N-acetylgalactosaminyltransferase 1;CsGalNAcT-1;Chondroitin beta-1;4-N-acetylgalactosaminyltransferase 1;Beta4GalNAcT-1
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein .
Tissue Specificity	Ubiquitous, with the highest levels in placenta, thyroid, bladder, prostate and adrenal gland. Detected at low levels in the other tissues examined.
Function	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-galactosylprot eoglycan.,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.,

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.,

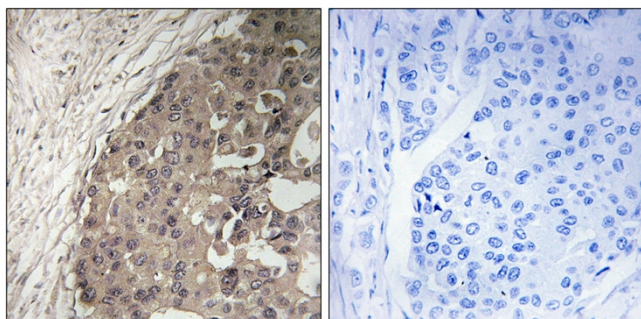
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.