



# $\beta$ -1,4-GalNAc-T rabbit pAb

Cat No.:ES6769

For research use only

## Overview

<b>Product Name</b>	$\beta$ -1,4-GalNAc-T rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species</b>	Human;Mouse;Rat
<b>Cross-Reactivity</b>	
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CSGALNACT1. AA range:201-250
<b>Specificity</b>	$\beta$ -1,4-GalNAc-T Polyclonal Antibody detects endogenous levels of $\beta$ -1,4-GalNAc-T protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Chondroitin sulfate N-acetylgalactosaminyltransferase 1
<b>Gene Name</b>	CSGALNACT1
<b>Cellular localization</b>	Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	60kD





**Human** 55790  
**Gene ID**  
**Human** Q8TDX6  
**Swiss-Prot**  
**Number**  
**Alternative Names** CSGALNACT1; CHGN; GALNACT1; Chondroitin sulfate N-acetylgalactosaminyltransferase 1; CsGalNAcT-1; Chondroitin beta-1; 4-N-acetylgalactosaminyltransferase 1; Beta4GalNAcT-1  
**Background** catalytic activity:UDP-N-acetyl-D-galactosamine +  
**d** 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.,

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

