

CSGALNACT1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51118**Specification**

CSGALNACT1 Antibody - Product Information

Application	WB, IP, IHC-P, E
Primary Accession	Q8TDX6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 KDa

CSGALNACT1 Antibody - Additional Information**Gene ID** 55790**Other Names**

Chondroitin sulfate N-acetylgalactosaminyltransferase 1, CsGalNAcT-1, Chondroitin beta-1, 4-N-acetylgalactosaminyltransferase 1, Beta4GalNAcT-1, CSGALNACT1, CHGN, GALNACT1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CSGALNACT1. The exact sequence is proprietary.

Dilution

WB~~1:1000

IP~~N/A

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CSGALNACT1 Antibody - Protein Information**Name** CSGALNACT1 ([HGNC:24290](#))**Synonyms** CHGN, GALNACT1**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 formation and subsequent endochondral ossification (PubMed:11788602, PubMed:12163485, PubMed:12446672, PubMed:17145758, PubMed:31705726). Moreover, is involved in the metabolism of aggrecan (By similarity).

Cellular Location

Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein

Tissue Location

Ubiquitous, with the highest levels in placenta, thyroid, bladder, prostate and adrenal gland. Detected at low levels in the other tissues examined.

CSGALNACT1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CSGALNACT1 Antibody - Images**CSGALNACT1 Antibody - Background**

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CSGALNACT1 Antibody - References

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Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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