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CSGALNACT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8777C

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	Q8N6G5
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62572
Antigen Region	200-229

Additional Information

Gene ID	55454
Other Names	Chondroitin sulfate N-acetylgalactosaminyltransferase 2, Chondroitin beta-1, 4-N-acetylgalactosaminyltransferase 2, Beta4GalNAcT-2, GalNAcT-2, CSGALNACT2, CHGN2, GALNACT2
Target/Specificity	This CSGALNACT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-229 amino acids from the Central region of human CSGALNACT2.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CSGALNACT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CSGALNACT2
Synonyms	CHGN2, GALNACT2

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.
Cellular Location	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein
Tissue Location	Ubiquitous.

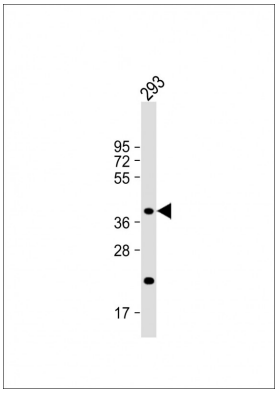
Background

Transfers 1,4-N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of glucuronic acid (GlcUA). It is required for addition of the first GalNAc to the core tetrasaccharide linker and for elongation of chondroitin chains.

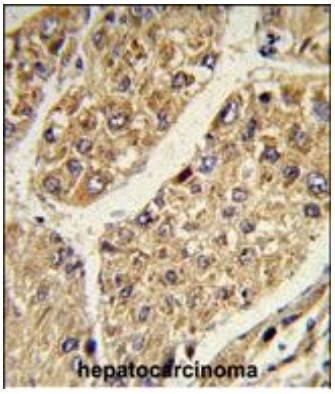
References

Yu Y., et.al., Genome Res. 11:1392-1403(2001).

Images

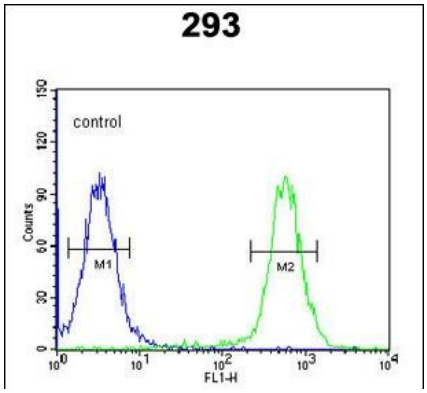


Anti-CSGALNACT2 Antibody (Center) at 1:1000 dilution + 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with CSGALNACT2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

CSGALNACT2 Antibody (Center) (Cat. #AP8777c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Citations

- Correlation of C4ST-1 and ChGn-2 expression with chondroitin sulfate chain elongation in atherosclerosis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.