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CSGALNACT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8777C

Specification

CSGALNACT2 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q8N6G5
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**200-229**

CSGALNACT2 Antibody (Center) - 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
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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.

CSGALNACT2 Antibody (Center) - 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

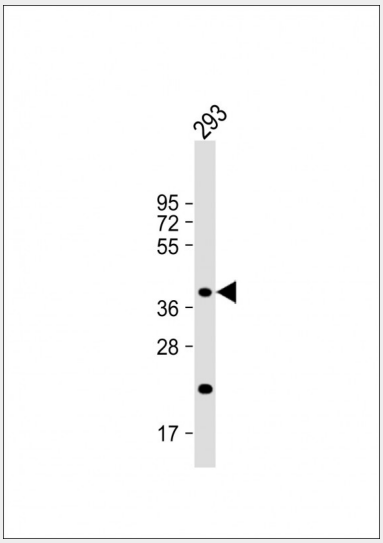
Tissue Location
Ubiquitous.

CSGALNACT2 Antibody (Center) - Protocols

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

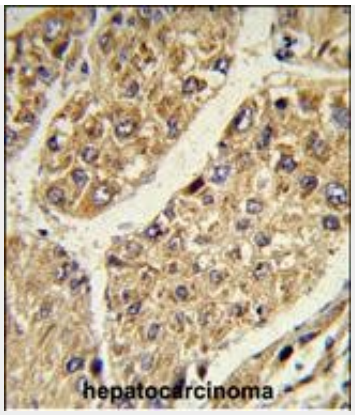
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CSGALNACT2 Antibody (Center) - Images

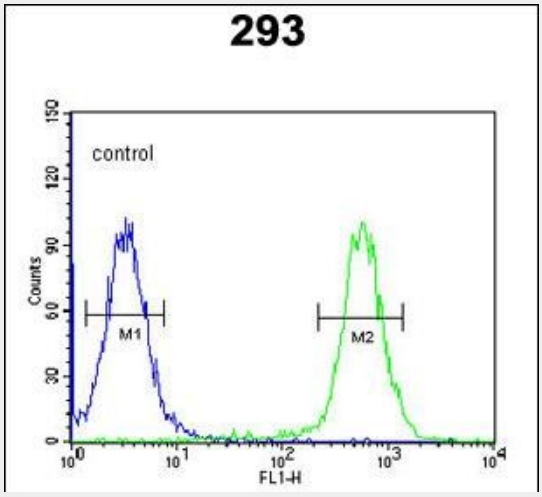


Anti-CSGALNACT2 Antibody (Center) at 1:1000 dilution + 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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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.

CSGALNACT2 Antibody (Center) - 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.

CSGALNACT2 Antibody (Center) - References

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

CSGALNACT2 Antibody (Center) - Citations

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