10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CHSY1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13586c

Specification

CHSY1 Antibody (Center) - Product Information

Application	**FC, WB,E**
Primary Accession	Q86X52
Other Accession	NP_055733.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**91784**
Antigen Region	**504-533**

CHSY1 Antibody (Center) - Additional Information

Gene ID 22856

Other Names
Chondroitin sulfate synthase 1, Chondroitin glucuronyltransferase 1, Chondroitin synthase 1, ChSy-1, Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase 1, N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 1, N-acetylgalactosaminyltransferase 1, CHSY1, CHSY, CSS1, KIAA0990

Target/Specificity
This CHSY1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 504-533 amino acids from the Central region of human CHSY1.

Dilution
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
CHSY1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CHSY1 Antibody (Center) - Protein Information

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Name CHSY1 (HGNC:17198)

Synonyms CHSY, CSS1, KIAA0990

Function Has both beta-1,3-glucuronic acid and beta-1,4-N- acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP- GalNAc to the non-reducing end of the elongating chondroitin polymer. Involved in the negative control of osteogenesis likely through the modulation of NOTCH signaling.

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

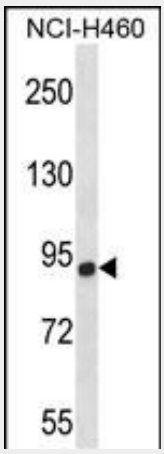
Tissue Location
Ubiquitous, with the highest levels in placenta. Detected at low levels in brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, adrenal gland, mammary gland, stomach, small intestine, lung and peripheral blood leukocytes

CHSY1 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

CHSY1 Antibody (Center) - Images



CHSY1 Antibody (Center) (Cat. #AP13586c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the CHSY1 antibody detected the CHSY1 protein (arrow).

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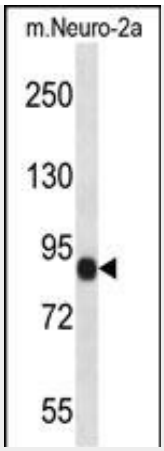
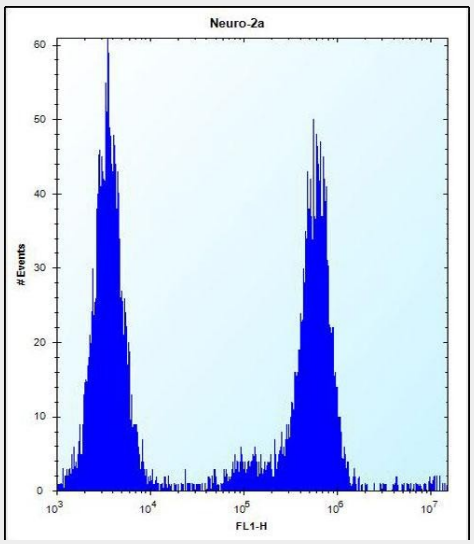


CHSY1 Antibody (Center) (Cat. #AP13586c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the CHSY1 antibody detected the CHSY1 protein (arrow).



CHSY1 Antibody (Center) (Cat. #AP13586c) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

CHSY1 Antibody (Center) - Background

CHSY1 synthesizes chondroitin sulfate, a glycosaminoglycan expressed on the surface of most cells and in extracellular matrices. Glycosaminoglycan chains are covalently linked to a wide range of core protein families and regulate many biologic processes, including cell proliferation and recognition, extracellular matrix deposition, and morphogenesis.[supplied by OMIM].

CHSY1 Antibody (Center) - References

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Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)
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Kitagawa, H., et al. J. Biol. Chem. 276(42):38721-38726(2001)