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CHSY1 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP13586c

Specification

CHSY1 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q86X52

CHSY1 Antibody (Center) Blocking peptide - 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
The synthetic peptide sequence used to generate the antibody AP13586c was selected from the Center region of CHSY1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CHSY1 Antibody (Center) Blocking peptide - Protein Information

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) Blocking peptide - Protocols

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

- Blocking Peptides

CHSY1 Antibody (Center) Blocking peptide - Images

CHSY1 Antibody (Center) Blocking peptide - Background

CHSY1 synthesizes chondroitin sulfate, a glycosaminoglycanexpressed on the surface of most cells and in extracellularmatrices. Glycosaminoglycan chains are covalently linked to a widerange of core protein families and regulate many biologicprocesses, including cell proliferation and recognition,extracellular matrix deposition, and morphogenesis.[supplied byOMIM].

CHSY1 Antibody (Center) Blocking peptide - References

Yada, T., et al. J. Biol. Chem. 278(41):39711-39725(2003)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)Kitagawa, H., et al. J. Biol. Chem. 278(26):23666-23671(2003)Kitagawa, H., et al. J. Biol. Chem. 276(42):38721-38726(2001)