

CHSY1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13586c**Specification**

CHSY1 Antibody (Center) Blocking peptide - Product InformationPrimary 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 glycosaminoglycan expressed on the surface of most cells and in extracellular matrices. Glycosaminoglycan chains are covalently linked to a widerange 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) 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)