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CHPF Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12999b

Specification

CHPF Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q8IZ52

CHPF Antibody (C-term) Blocking peptide - Additional Information

Gene ID 79586

Other Names
Chondroitin sulfate synthase 2, Chondroitin glucuronyltransferase 2, Chondroitin-polymerizing factor, ChPF, Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II, N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase II, N-acetylgalactosaminyltransferase 2, CHPF, CSS2

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.

CHPF Antibody (C-term) Blocking peptide - Protein Information

Name CHPF (HGNC:24291)

Synonyms CSS2

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. Seems to act as a specific activating factor for CHSY1 in chondroitin polymerization (PubMed:12716890).

Cellular Location
[Isoform 1]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cytoplasm, cytosol [Isoform 2]: Mitochondrion matrix

Tissue Location
Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, spleen and placenta. [Isoform 3]: Also ubiquitous.

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CHPF Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

CHPF Antibody (C-term) Blocking peptide - Images

CHPF Antibody (C-term) Blocking peptide - Background

CHPF 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.

CHPF Antibody (C-term) Blocking peptide - References

Ogawa, H., et al. J. Biol. Chem. 285(44):34155-34167(2010)Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Colland, F., et al. Genome Res. 14(7):1324-1332(2004)Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)