

CHPF Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9046c**Specification**

CHPF Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8IZ52](#)**CHPF Antibody (Center) 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9046c](/products/AP9046c) was selected from the Center region of human CHPF. 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.

CHPF Antibody (Center) 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:<http://www.uniprot.org/citations/12716890> target="_blank">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.

CHPF Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CHPF Antibody (Center) Blocking Peptide - Images**CHPF Antibody (Center) Blocking Peptide - Background**

CHPF is a protein that 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 (Center) Blocking Peptide - References

Matsuoka,S., et.al., Science 316 (5828), 1160-1166 (2007)Colland,F., et.al., Genome Res. 14 (7), 1324-1332 (2004)