

**CHST13 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9047c****Specification**

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**CHST13 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8NET6](#)**CHST13 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 166012**Other Names**

Carbohydrate sulfotransferase 13, Chondroitin 4-O-sulfotransferase 3, Chondroitin 4-sulfotransferase 3, C4ST-3, C4ST3, CHST13

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9047c](/products/AP9047c) was selected from the Center region of human CHST13. 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.

**CHST13 Antibody (Center) Blocking Peptide - Protein Information****Name** CHST13**Function**

Catalyzes the transfer of sulfate to position 4 of the N- acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. Transfers sulfate to the C4 hydroxyl of beta1,4-linked GalNAc that is substituted with a beta-linked glucuronic acid at the C-3 hydroxyl. No activity toward dermatan.

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein

**Tissue Location**

Highly expressed in adult liver. Expressed at lower level in kidney, lymph nodes and fetal kidney

## **CHST13 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **CHST13 Antibody (Center) Blocking Peptide - Images**

## **CHST13 Antibody (Center) Blocking Peptide - Background**

CHST13 is a protein that transfers sulfate to the C-4 hydroxyl of beta-1,4-linked GalNAc flanked by GlcUA residues in chondroitin.

## **CHST13 Antibody (Center) Blocking Peptide - References**

Kang,H.G., et.al., J. Biol. Chem. 277 (38), 34766-34772 (2002)Hiraoka,N., et.al., J. Biol. Chem. 275 (26), 20188-20196 (2000)