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CHST13 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9047c

Specification

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 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

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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)