

**CHST7 Antibody (Center) Blocking Peptide**

Synthetic peptide  
Catalog # BP9158c

**Specification**

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**CHST7 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O9NS84](#)

**CHST7 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 56548

**Other Names**

Carbohydrate sulfotransferase 7, 282-, Chondroitin 6-sulfotransferase 2, C6ST-2, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 5, GST-5, N-acetylglucosamine 6-O-sulfotransferase 4, GlcNAc6ST-4, Gn6st-4, CHST7

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9158c](/products/AP9158c) was selected from the Center region of human CHST7. 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.

**CHST7 Antibody (Center) Blocking Peptide - Protein Information**

Name CHST7

**Function**

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues. Preferentially acts on mannose-linked GlcNAc. Also able to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Also acts on core 2 mucin-type oligosaccharide and N-acetyllactosamine oligomer with a lower efficiency. Has weak or no activity toward keratan sulfate and oligosaccharides containing the Galbeta1-4GlcNAc. Catalyzes 6-O-sulfation of beta-benzyl GlcNAc but not alpha- or beta-benzyl GalNAc.

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein

**Tissue Location**

Widely expressed. Highly expressed in heart, spleen, liver and ovary. Expressed at lower level in brain, placenta, thyroid, spinal cord and peripheral blood leukocytes. Not expressed in adult skin.

**CHST7 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CHST7 Antibody (Center) Blocking Peptide - Images****CHST7 Antibody (Center) Blocking Peptide - Background**

CHST7 catalyzes the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues. It preferentially acts on mannose-linked GlcNAc and also able to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. It also acts on core 2 mucin-type oligosaccharide and N-acetyllactosamine oligomer with a lower efficiency. This protein has weak or no activity toward keratan sulfate and oligosaccharides containing the Galbeta1-4GlcNAc. It catalyzes 6-O-sulfation of beta-benzyl GlcNAc but not alpha-or beta-benzyl GalNAc.

**CHST7 Antibody (Center) Blocking Peptide - References**

Liu T., et.al., J. Proteome Res. 4:2070-2080(2005).