

CHST7 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9158c**Specification**

CHST7 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9NS84](#)**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-acetylglucosamine 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).