

**CHST3 Antibody (N-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP10461a**Specification**

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**CHST3 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [O7LGC8](#)  
Other Accession [NP\\_004264.2](#)

**CHST3 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 9469

**Other Names**

Carbohydrate sulfotransferase 3, Chondroitin 6-O-sulfotransferase 1, C6ST-1, Chondroitin 6-sulfotransferase, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0, GST-0, CHST3

**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.

**CHST3 Antibody (N-term) Blocking Peptide - Protein Information**

Name CHST3

**Function**

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin (PubMed:<a href="http://www.uniprot.org/citations/9714738" target="\_blank">9714738</a>, PubMed:<a href="http://www.uniprot.org/citations/9883891" target="\_blank">9883891</a>, PubMed:<a href="http://www.uniprot.org/citations/15215498" target="\_blank">15215498</a>). Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices (PubMed:<a href="http://www.uniprot.org/citations/9714738" target="\_blank">9714738</a>). Catalyzes with a lower efficiency the sulfation of Gal residues of keratan sulfate, another glycosaminoglycan (PubMed:<a href="http://www.uniprot.org/citations/9714738" target="\_blank">9714738</a>). Can also catalyze the sulfation of the Gal residues in sialyl N-acetylglucosamine (sialyl LacNAc) oligosaccharides (By similarity). May play a role in the maintenance of naive T-lymphocytes in the spleen (By similarity).

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein

**Tissue Location**

Widely expressed in adult tissues. Expressed in heart, placenta, skeletal muscle and pancreas. Also expressed in various immune tissues such as spleen, lymph node, thymus and appendix

**CHST3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CHST3 Antibody (N-term) Blocking Peptide - Images****CHST3 Antibody (N-term) Blocking Peptide - Background**

CHST3 is an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation.

**CHST3 Antibody (N-term) Blocking Peptide - References**

Unger, S., et al. Am. J. Med. Genet. A 152A (10), 2543-2549 (2010) ; Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009) Tuysuz, B., et al. Clin. Genet. 75(4):375-383(2009) Kitagawa, H., et al. J. Biol. Chem. 283(41):27438-27443(2008) Hermanns, P., et al. Am. J. Hum. Genet. 82(6):1368-1374(2008)