

CHST3 Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP10461a

Specification

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:15215498, PubMed:9714738, PubMed:9883891). Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices (PubMed:9714738). Catalyzes with a lower efficiency the sulfation of Gal residues of keratan sulfate, another glycosaminoglycan (PubMed:9714738). Can also catalyze the sulfation of the Gal residues in sialyl N-acetyllactosamine (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)