

CHST2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10704c**Specification**

CHST2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9Y4C5](#)**CHST2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 9435**Other Names**

Carbohydrate sulfotransferase 2, 282-, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2, GST-2, N-acetylglucosamine 6-O-sulfotransferase 1, GlcNAc6ST-1, Gn6ST-1, CHST2, GN6ST

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.

CHST2 Antibody (Center) Blocking peptide - Protein Information**Name** CHST2**Synonyms** GN6ST**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 within keratan-like structures on N-linked glycans and within mucin-associated glycans that can ultimately serve as SELL ligands. SELL ligands are present in high endothelial cells (HEVs) and play a central role in lymphocyte homing at sites of inflammation. Participates in biosynthesis of the SELL ligand sialyl 6-sulfo Lewis X and in lymphocyte homing to Peyer patches. Has no activity toward O-linked sugars. Its substrate specificity may be influenced by its subcellular location. Sulfates GlcNAc residues at terminal, non-reducing ends of oligosaccharide chains.

Cellular Location

Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein

Tissue Location

Widely expressed. Highly expressed in bone marrow, peripheral blood leukocytes, spleen, brain,

spinal cord, ovary and placenta. Expressed by high endothelial cells (HEVs) and leukocytes

CHST2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CHST2 Antibody (Center) Blocking peptide - Images

CHST2 Antibody (Center) Blocking peptide - Background

N-acetylglucosamine-6-O-sulfotransferases, such as CHST2, catalyze the transfer of sulfate from 3-prime-phosphoadenosine5-prime-phosphosulfate (PAPS) to position 6 of a nonreducingN-acetylglucosamine (GlcNAc) residue (Uchimura et al., 1998 [PubMed9722682]).

CHST2 Antibody (Center) Blocking peptide - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009)Desko, M.M., et al. Glycobiology 19(10):1068-1077(2009)Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)Kanoh, A., et al. Glycoconj. J. 23 (5-6), 453-460 (2006) :