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CHST2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19294b

Specification

CHST2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y4C5

CHST2 Antibody (C-term) 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 (C-term) 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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CHST2 Antibody (C-term) Blocking Peptide - Images

CHST2 Antibody (C-term) 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 (C-term) 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) :