

CHST8 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12842c**Specification**

CHST8 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9H2A9](#)**CHST8 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 64377**Other Names**

Carbohydrate sulfotransferase 8, 282-, GalNAc-4-O-sulfotransferase 1, GalNAc-4-ST1, GalNAc4ST-1, N-acetylgalactosamine-4-O-sulfotransferase 1, CHST8

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.

CHST8 Antibody (Center) Blocking peptide - Protein Information**Name** CHST8**Function**

Catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. Required for biosynthesis of glycoprotein hormones lutropin and thyrotropin, by mediating sulfation of their carbohydrate structures. Only active against terminal GalNAcbeta1, GalNAcbeta. Not active toward chondroitin.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

Predominantly expressed in pituitary gland. In brain, it is expressed in pituitary gland, cerebellum, medulla oblongata, pons, thalamus and spinal cord. Expressed in the epidermis Expressed at lower level in lung, spleen, adrenal gland, placenta, prostate, testis, mammary gland and trachea

CHST8 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CHST8 Antibody (Center) Blocking peptide - Images

CHST8 Antibody (Center) Blocking peptide - Background

Sulfate groups in carbohydrates confer highly specific functions on glycoproteins, glycolipids, and proteoglycans and are critical for cell-cell interaction, signal transduction, and embryonic development. Sulfotransferases, such as CHST8, carry out sulfation of carbohydrates (Hiraoka et al., 2001 [PubMed11445554]).

CHST8 Antibody (Center) Blocking peptide - References

Melen, E., et al. J. Allergy Clin. Immunol. 126(3):631-637(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Thorleifsson, G., et al. Nat. Genet. 41(1):18-24(2009) Boregowda, R.K., et al. Glycobiology 15(12):1349-1358(2005) Barret, A., et al. J. Biol. Chem. 280(11):10516-10523(2005)