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CHST6 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12350b

Specification

CHST6 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9GZX3

CHST6 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 4166

Other Names
Carbohydrate sulfotransferase 6, 282-, Corneal N-acetylglucosamine-6-O-sulfotransferase, C-GlcNAc6ST, hCGn6ST, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4-beta, GST4-beta, N-acetylglucosamine 6-O-sulfotransferase 5, GlcNAc6ST-5, Gn6st-5, CHST6

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.

CHST6 Antibody (C-term) Blocking peptide - Protein Information

Name CHST6 (HGNC:6938)

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 of keratan (PubMed:11352640, PubMed:11278593, PubMed:12218059, PubMed:17690104). Cooperates with B4GALT4 galactosyltransferase and B3GNT7 N-acetylglucosaminyltransferase to construct and elongate the sulfated disaccharide unit [->3Galbeta1->4(6-sulfoGlcNAcbeta)1->] within keratan sulfate polymer. Involved in biosynthesis of keratan sulfate in cornea, with an impact on proteoglycan fibril organization and corneal transparency (PubMed:17690104, PubMed:11278593, PubMed:12218059). Involved in sulfation of endothelial mucins such as GLYCAM1 (PubMed:11352640).

Cellular Location
Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location
Expressed in cornea. Mainly expressed in brain. Also expressed in spinal cord and trachea

CHST6 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

CHST6 Antibody (C-term) Blocking peptide - Images

CHST6 Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene is an enzyme thatcatalyzes the transfer of a sulfate group to the GlcNAc residues ofkeratan. Keratan sulfate helps maintain corneal transparency.Defects in this gene are a cause of macular corneal dystrophy(MCD).

CHST6 Antibody (C-term) Blocking peptide - References

Liu, Z., et al. Cornea 29(8):883-888(2010)Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010)Dang, X., et al. Mol. Vis. 15, 700-705 (2009) :Birgani, S.A., et al. Mol. Vis. 15, 373-377 (2009) :Sultana, A., et al. Mol. Vis. 15, 319-325 (2009) :