CHST4 Antibody (C-term)

Catalog_no： AB3288

Reactivity： H

Category： 抗原抗体

Size： 100μL/50μL

Immunogen： HUMAN

Specificity： This CHST4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 357-390 amino acids from the C-terminal region of human CHST4.

Dilution： WB,1:2000;

Other_name： Carbohydrate sulfotransferase 4, 282-, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 3, GST-3, High endothelial cells N-acetylglucosamine 6-O-sulfotransferase, HEC-GlcNAc6ST, L-selectin ligand sulfotransferase, LSST, N-acetylglucosamine 6-O-sulfotransferase 2, GlcNAc6ST-2, Gn6st-2, CHST4

Isotype： Rabbit Ig

Background： 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 mucin-associated glycans that 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 on receptors SPN/CD43, GLYCAM1 and MADCAM1. Also involved in biosynthesis of SELL ligand recognized by MECA-79 antibody. Plays a central role in lymphocyte trafficking during chronic inflammation. Has a catalytic preference for core 2- branched mucin-type O-glycans. Can use GlcNAcbeta1-6[Galbeta1- 3]GalNAc-pNP (core 2), GlcNAcbeta1-6ManOMe and GlcNAcbeta1-2Man oligosaccharide structures as acceptors. Has also activity toward core 3 of GlcNAcbeta1-3GalNAc-pNP. Its substrate specificity may be influenced by its subcellular location.

reference： Bistrup A.,et al.J. Cell Biol. 145:899-910(1999). Yeh J.-C.,et al.Cell 105:957-969(2001). Hemmerich S.,et al.Glycobiology 11:75-87(2001). Ota T.,et al.Nat. Genet. 36:40-45(2004). Li X.,et al.J. Leukoc. Biol. 69:565-574(2001).