



CHST1 Monoclonal Antibody

Catalog No	YP-mAb-03770
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CHST1
Immunogen	Synthesized peptide derived from the Internal region of human CHST1.
Specificity	CHST1 Monoclonal Antibody detects endogenous levels of CHST1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.8.2.21;Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 1;GST-1;Keratan sulfate Gal-6 sulfotransferase;KS6ST;CHST1; Carbohydrate sulfotransferase 1;KSGal6ST;KSST
Observed Band	48-55 kDa
Calculated Molecular Weight	411 aa, 47 kDa
Cell Pathway	Golgi apparatus membrane ; Single-pass type II membrane protein .
Tissue Specificity	Widely expressed at low level. Expressed in brain and skeletal muscle. Expressed by high endothelial cells (HEVs) and leukocytes.
Function	catalytic activity:3'-phosphoadenylyl sulfate + keratan = adenosine 3',5'-bisphosphate + keratan 6'-sulfate.,caution:Was originally (PubMed:9639683) thought to be the ortholog of chicken CHST3 and therefore named C6ST. However, it has no strong chondroitin 6-sulfotransferase activity., function:Catalyzes the transfer of sulfate to position 6 of galactose (Gal) residues of keratan. Has a preference for sulfating keratan sulfate, but it also transfers sulfate to the unsulfated polymer. The sulfotransferase activity on sialyl LacNAc structures is much higher than the corresponding desialylated substrate, and only internal Gal residues are sulfated. May function in the sulfation of sialyl N-acetyllactosamine oligosaccharide chains attached to glycoproteins.



Participates in biosynthesis of selectin ligands. Selectin ligands are present in high endothelial cells (HEVs) and play a central role i

Background

This locus encodes a member of the keratin sulfotransferase family of proteins. The encoded enzyme catalyzes the sulfation of the proteoglycan keratin. [provided by RefSeq, Aug 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images