



# CHST1 Monoclonal Antibody

<b>Catalog No</b>	BYmab-03770
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	CHST1
<b>Protein Name</b>	Carbohydrate sulfotransferase 1
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human CHST1.
<b>Specificity</b>	CHST1 Monoclonal Antibody detects endogenous levels of CHST1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CHST1; Carbohydrate sulfotransferase 1; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 1; GST-1; Keratan sulfate Gal-6 sulfotransferase; KS6ST; KSGal6ST; KSST
<b>Observed Band</b>	49kD
<b>Cell Pathway</b>	Golgi apparatus membrane ; Single-pass type II membrane protein .
<b>Tissue Specificity</b>	Widely expressed at low level. Expressed in brain and skeletal muscle. Expressed by high endothelial cells (HEVs) and leukocytes.
<b>Function</b>	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

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	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
<b>Background</b>	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],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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