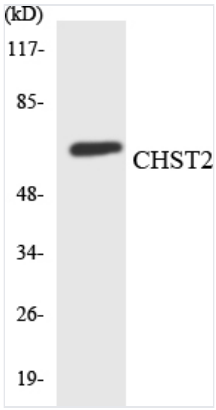
CHST2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHST2, Polyclonal Antibody
Full Product Name	CHST2 Antibody
Product Gene Name	anti-CHST2 antibody
Product Synonym Names	Carbohydrate sulfotransferase 2; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2; GST-2; N-acetylglucosamine 6-O-sulfotransferase 1; GlcNAc6ST-1; Gn6ST-1; CHST2; GN6ST
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	CHST2 Antibody detects endogenous levels of CHST2.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	57 kDa
OMIM	AB014679 mRNA
3D Structure	ModBase 3D Structure for Q9Y4C5
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human CHST2.
Immunogen Range	42-91
Applications Tested/Suitable for anti-CHST2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CHST2 antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-CHST2 antibody	MBS9509308 is an antibody targeting CHST2. Also known as CHST2 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CHST2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CHST2 antibody
Western blot analysis of the lysates from K562 cells using CHST2 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHST2. It may not necessarily be applicable to this product.

NCBI GI #	27369497
NCBI GeneID	9435
NCBI Accession #	NP_004258.2
UniProt Primary Accession #	Q9Y4C5
UniProt Secondary Accession #	Q2M370; Q9GZN5; Q9UED5; Q9Y6F2; D3DNG5
UniProt Related Accession #	Q9Y4C5
GenBank Nucleotide #	NM_004267.4
NCBI Official Full Name	carbohydrate sulfotransferase 2
NCBI Official Synonym Full Names	carbohydrate sulfotransferase 2
NCBI Official Symbol	CHST2
NCBI Official Synonym Symbols	C6ST; GST2; GST-2; Gn6ST-1; HEL-S-75; glcNAc6ST-1
UniProt Protein Name	Carbohydrate sulfotransferase 2
UniProt Synonym Protein Names	Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2; GST-2; N-acetylglucosamine 6-O-sulfotransferase 1; GlcNAc6ST-1; Gn6ST-1
Protein Family	Carbohydrate sulfotransferase
UniProt Gene Name	CHST2
UniProt Synonym Gene Names	GN6ST; GST-2; GlcNAc6ST-1; Gn6ST-1
NCBI Protein Information	carbohydrate sulfotransferase 2
NCBI Summary for CHST2	This locus encodes a sulfotransferase protein. The encoded enzyme catalyzes the sulfation of a nonreducing N-acetylglucosamine residue, and may play a role in biosynthesis of 6-sulfosialyl Lewis X antigen. [provided by RefSeq, Aug 2011]
UniProt Comments for CHST2	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 keratan-like structures on N-linked glycans and within mucin-associated glycans that can 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 and in lymphocyte homing to Peyer patches. Has no activity toward O-linked sugars. Its substrate specificity may be influenced by its subcellular location. Sulfates GlcNAc residues at terminal, non-reducing ends of oligosaccharide chains.

Research Articles on CHST2	**1.** A method for O-GlcNAc detection using in vitro sulfation with two N-acetylglucosamine (GlcNAc)-specific sulfotransferases, carbohydrate sulfotransferase 2 and carbohydrate sulfotransferase 4.
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