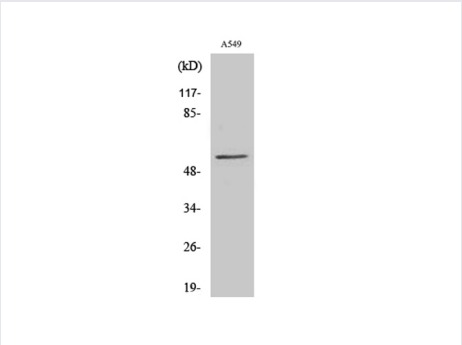
CHST2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHST2, Polyclonal Antibody
Full Product Name	CHST2 Polyclonal Antibody
Product Gene Name	anti-CHST2 antibody
Product Synonym Names	CHST2; GN6ST; Carbohydrate sulfotransferase 2; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2; GST-2; N-acetylglucosamine 6-O-sulfotransferase 1; GlcNAc6ST-1; Gn6ST-1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Antigen Affinity Purified
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 58 Observed MW: 58
OMIM	603798
Immunogen	Synthesized peptide derived from the N-terminal region of human CHST2.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CHST2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CHST2 antibody	WB: 1:500-1:2000, ELISA: 1:5000-1:20000
Related Product Information for anti-CHST2 antibody	MBS2536715 is an antibody targeting CHST2. Also known as CHST2 Polyclonal 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 A549 cells with CHST2 Polyclonal 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 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 (N-acetylglucosamine-6-O) 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
UniProt Entry Name	CHST2_HUMAN
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	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. Belongs to the sulfotransferase 1 family. Gal/GlcNAc/GalNAc subfamily. 2 isoforms of the human protein are produced by alternative initiation. Protein type: Glycan Metabolism - keratan sulfate biosynthesis; Transferase; Membrane protein, integral; EC 2.8.2.- Chromosomal Location of Human Ortholog: 3q24 Cellular Component: Golgi membrane; integral to membrane; intrinsic to Golgi membrane; trans-Golgi network Molecular Function: N-acetylglucosamine 6-O-sulfotransferase activity; sulfotransferase activity Biological Process: carbohydrate metabolic process; glycosaminoglycan metabolic process; inflammatory response; keratan sulfate biosynthetic process; keratan sulfate metabolic process; multicellular organismal development; N-acetylglucosamine metabolic process; sulfur metabolic process
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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/chst2/2536715