CHST3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHST3, Polyclonal Antibody
Full Product Name	CHST3 Polyclonal Antibody
Product Gene Name	anti-CHST3 antibody
Product Synonym Names	Carbohydrate sulfotransferase 3; EC 2.8.2.17; Chondroitin 6-O-sulfotransferase 1; C6ST-1; Chondroitin 6-sulfotransferase; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0; GST-0; CHST3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	52
OMIM	143095
3D Structure	ModBase 3D Structure for Q7LGC8
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CHST3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CHST3 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-CHST3 antibody	MBS8529882 is an antibody targeting CHST3. Also known as CHST3 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CHST3 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHST3. It may not necessarily be applicable to this product.

NCBI GI #	19923281
NCBI GeneID	9469
NCBI Accession #	NP_004264.2
UniProt Primary Accession #	Q7LGC8
UniProt Secondary Accession #	O75099; Q52M30
UniProt Related Accession #	Q7LGC8
GenBank Nucleotide #	NM_004273.4

NCBI Official Full Name	carbohydrate sulfotransferase 3
NCBI Official Synonym Full Names	carbohydrate sulfotransferase 3
NCBI Official Symbol	CHST3
NCBI Official Synonym Symbols	HSD; C6ST; C6ST1
UniProt Protein Name	Carbohydrate sulfotransferase 3
UniProt Synonym Protein Names	Chondroitin 6-O-sulfotransferase 1; C6ST-1; Chondroitin 6-sulfotransferase; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0; GST-0
Protein Family	Carbohydrate sulfotransferase
UniProt Gene Name	CHST3
UniProt Synonym Gene Names	C6ST-1; GST-0
NCBI Protein Information	carbohydrate sulfotransferase 3
NCBI Summary for CHST3	This gene encodes an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation. Mutations in this gene are associated with spondylepiphyseal dysplasia and humerospinal dysostosis. [provided by RefSeq, Mar 2009]
UniProt Comments for CHST3	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. Can also sulfate Gal residues of keratan sulfate, another glycosaminoglycan, and the Gal residues in sialyl N-acetyllactosamine (sialyl LacNAc) oligosaccharides. May play a role in the maintenance of naive T-lymphocytes in the spleen.
Research Articles on CHST3	**1.** We describe three consanguineous Indian families with a distinct form of spondyloepiphyseal dysplasia (SED Omani type). It is an autosomal recessive disorder due to mutation in CHST3 gene.
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