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CHST3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CHST3.
Catalog # AT1531a

Product Information

Application	WB, E
Primary Accession	Q7LGC8
Other Accession	NM_004273
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1C4
Calculated MW	54706

Additional Information

Gene ID	9469
Other Names	Carbohydrate sulfotransferase 3, Chondroitin 6-O-sulfotransferase 1, C6ST-1, Chondroitin 6-sulfotransferase, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0, GST-0, CHST3
Target/Specificity	CHST3 (NP_004264, 312 a.a. ~ 411 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CHST3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

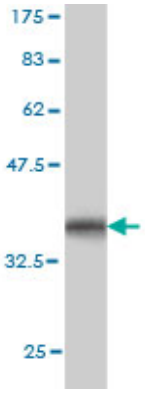
This gene encodes an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation. Mutations in this gene are associated with spondylepiphyseal dysplasia and humerospinal dysostosis.

References

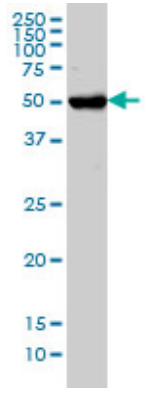
Association study between single-nucleotide polymorphisms in 199 drug-related genes and commonly

measured quantitative traits of 752 healthy Japanese subjects. Saito A, et al. J Hum Genet, 2009 Jun. PMID 19343046.Omani-type spondyloepiphyseal dysplasia with cardiac involvement caused by a missense mutation in CHST3. Tuysuz B, et al. Clin Genet, 2009 Apr. PMID 19320654.Sulfation of the galactose residues in the glycosaminoglycan-protein linkage region by recombinant human chondroitin 6-O-sulfotransferase-1. Kitagawa H, et al. J Biol Chem, 2008 Oct 10. PMID 18697746.Congenital joint dislocations caused by carbohydrate sulfotransferase 3 deficiency in recessive Larsen syndrome and humero-spinal dysostosis. Hermanns P, et al. Am J Hum Genet, 2008 Jun. PMID 18513679.Genome-wide analysis identifies 16q deletion associated with survival, molecular subtypes, mRNA expression, and germline haplotypes in breast cancer patients. Nordgard SH, et al. Genes Chromosomes Cancer, 2008 Aug. PMID 18398821.

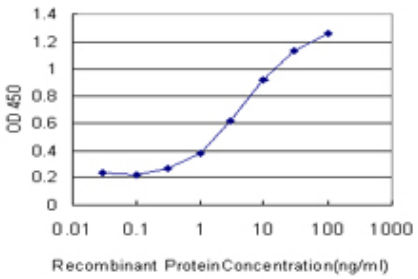
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



CHST3 monoclonal antibody (M01), clone 1C4 Western Blot analysis of CHST3 expression in Hela S3 NE ((Cat # AT1531a)



Detection limit for recombinant GST tagged CHST3 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.