

# CHST3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CHST3.

Catalog # AT1531a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q7LGC8</a>
<b>Other Accession</b>	<a href="#">NM_004273</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1C4
<b>Calculated MW</b>	54706

## Additional Information

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

## Background

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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.

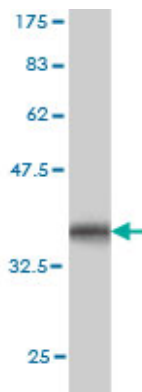
## References

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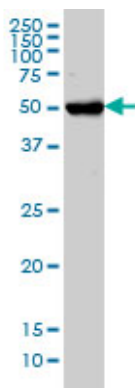
Association study between single-nucleotide polymorphisms in 199 drug-related genes and commonly

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.

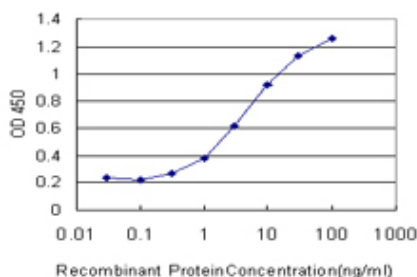
## Images



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'.