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CHST11 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CHST11.
Catalog # AT1530a

Product Information

Application	WB, E
Primary Accession	Q9NPF2
Other Accession	NM_018413
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4F1
Calculated MW	41555

Additional Information

Gene ID	50515
Other Names	Carbohydrate sulfotransferase 11, Chondroitin 4-O-sulfotransferase 1, Chondroitin 4-sulfotransferase 1, C4S-1, C4ST-1, C4ST1, CHST11
Target/Specificity	CHST11 (NP_060883, 230 a.a. ~ 337 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	CHST11 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

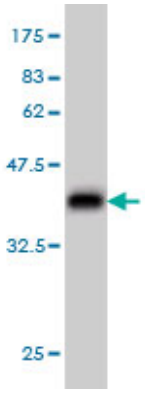
Chondroitin 4-sulfotransferases, such as CHST11, catalyze the transfer of sulfate from 3-prime-phosphoadenosine 5-prime-phosphosulfate to position 4 of N-acetylgalactosamine residues in chondroitin (Yamauchi et al., 2000 [PubMed 10722746]).

References

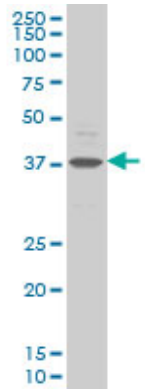
Natural frequency of polymorphisms linked to the chondroitin 4-sulfotransferase genes and its association with placental malaria. Valente B, et al. Trans R Soc Trop Med Hyg, 2010 Oct. PMID 20580388.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose

JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Inherited genetic variant predisposes to aggressive but not indolent prostate cancer. Xu J, et al. Proc Natl Acad Sci U S A, 2010 Feb 2. PMID 20080650.Identification and characterization of TGFbeta-dependent and -independent cis-regulatory modules in the C4ST-1/CHST11 locus. Willis CM, et al. Genet Mol Res, 2009 Nov 3. PMID 19937589.Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061.

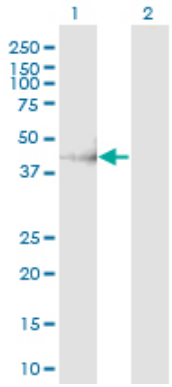
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.62 KDa) .

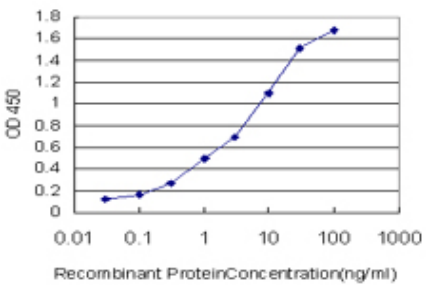


CHST11 monoclonal antibody (M01), clone 4F1 Western Blot analysis of CHST11 expression in K-562 ((Cat # AT1530a)



Western Blot analysis of CHST11 expression in transfected 293T cell line by CHST11 monoclonal antibody (M01), clone 4F1.

Lane 1: CHST11 transfected lysate (Predicted MW: 41.6 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CHST11 is approximately 0.1ng/ml as a capture antibody.

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