

# 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

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

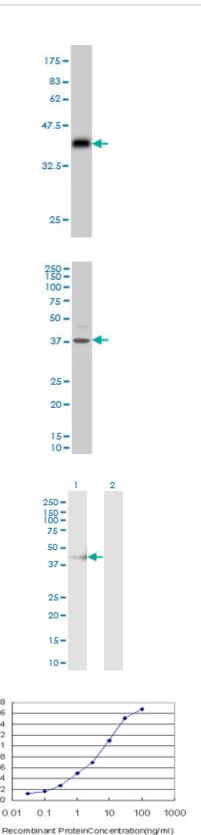
JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Inherited genetic variant predisposes to aggressive but not indolent prostate cancer. Xu J, et al. Proc Natl Acad Sci U S A, 2010 Feb 2. PMID 20080650.Identification and characterization of TGFbeta-dependent and -independent cis-regulatory modules in the 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**

1.6

1.4 1.2 0.8 0.6 0.4 0.2

0.01



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'.