

CHST11 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant CHST11.****Catalog # AT1530a****Specification**

CHST11 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q9NPF2
Other Accession	NM_018413
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	41555

CHST11 Antibody (monoclonal) (M01) - 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.

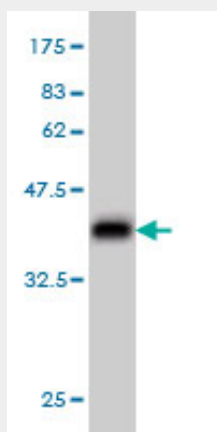
CHST11 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

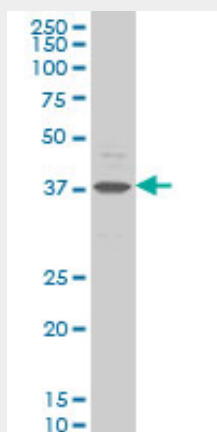
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

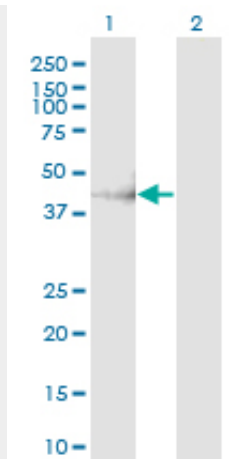
CHST11 Antibody (monoclonal) (M01) - Images



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



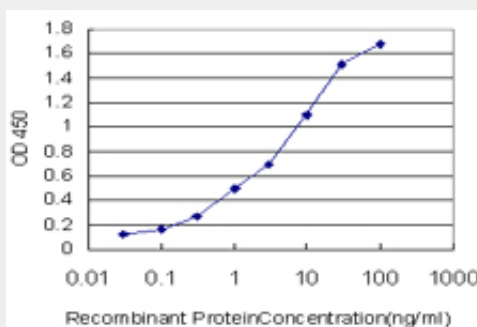
CHST11 monoclonal antibody (M01), clone 4F1 Western Blot analysis of CHST11 expression in K-562 ((Cat # AT1530a)



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.

CHST11 Antibody (monoclonal) (M01) - 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]).

CHST11 Antibody (monoclonal) (M01) - 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.