

# Product datasheet

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# ARG55087 anti-CHST11 antibody

Package: 100 μl Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes CHST11

Tested Reactivity Hu

Predict Reactivity Ms, Rat
Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CHST11
Species Human

Immunogen KLH-conjugated synthetic peptide corresponding to aa. 246-280 (Center) of Human CHST11.

Conjugation Un-conjugated

Alternate Names Chondroitin 4-O-sulfotransferase 1; HSA269537; C4ST; C4S-1; Chondroitin 4-sulfotransferase 1; EC

2.8.2.5; C4ST-1; C4ST1; Carbohydrate sulfotransferase 11

### **Application Instructions**

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	

#### **Properties**

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide

Preservative 0.09% (W/V) Sodium azide

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Database links GenelD: 50515 Human

Swiss-port # Q9NPF2 Human

Gene Symbol CHST11

Gene Full Name carbohydrate (chondroitin 4) sulfotransferase 11

Background The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi

membrane, and catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. A chromosomal translocation involving this gene and IgH, t(12;14)(q23;q32), has been reported in a patient with B-cell chronic lymphocytic leukemia. Alternatively spliced transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Aug 2011]

Function Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of

chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. Can also sulfate Gal residues in desulfated dermatan sulfate. Preferentially sulfates in GlcA->GalNAc unit than in IdoA->GalNAc unit. Does not form 4, 6-di-O-sulfated GalNAc when chondroitin sulfate C is used as an acceptor. [UniProt]

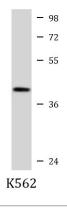
Research Area Metabolism antibody; Signaling Transduction antibody

Calculated Mw 42 kDa

PTM N-glycosylated; required for activity and stability.

Cellular Localization Golgi apparatus membrane; Single-pass type II membrane protein

#### **Images**



#### ARG55087 anti-CHST11 antibody WB image

Western blot: 20  $\mu g$  of K562 cell lysate stained with ARG55087 anti-CHST11 antibody at 1:1000 dilution.