

ARG55087
anti-CHST11 antibodyPackage: 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	GeneID: 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

