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CHST11 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21059a

Product Information

Application	WB, E
Primary Accession	Q9NPF2
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51966
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	This CHST11 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 246-280 amino acids from the Central region of human CHST11.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CHST11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CHST11
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.
Cellular Location	Golgi apparatus membrane; Single- pass type II membrane protein
Tissue Location	Widely expressed. Highly expressed in spleen, thymus, bone marrow, peripheral blood leukocytes, lymph node, heart, brain, lung and placenta.

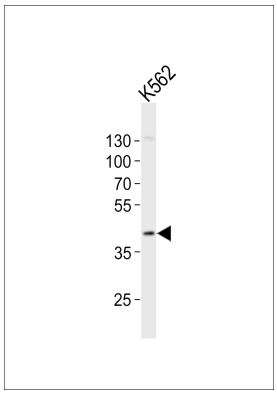
Background

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.

References

Okuda T.,et al.J. Biochem. 128:763-770(2000).
Hiraoka N.,et al.J. Biol. Chem. 275:20188-20196(2000).
Xia G.,et al.Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Images



Western blot analysis of lysate from K562 cell line, using CHST11 Antibody (Center)(Cat. #AP21059a). AP21059a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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