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CHST11 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21059a

Specification

CHST11 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9NPF2
Other Accession	P69478, Q9JME2
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**41555**

CHST11 Antibody (Center) - 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

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.

CHST11 Antibody (Center) - 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

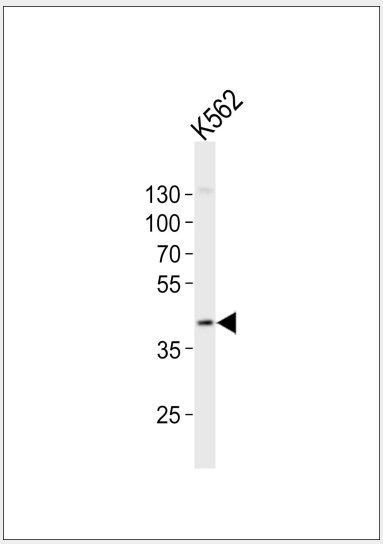
Tissue Location
Widely expressed. Highly expressed in spleen, thymus, bone marrow, peripheral blood leukocytes, lymph node, heart, brain, lung and placenta.

CHST11 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHST11 Antibody (Center) - 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.

CHST11 Antibody (Center) - 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.

CHST11 Antibody (Center) - References

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Hiraoka N.,et al.J. Biol. Chem. 275:20188-20196(2000).
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