CHSTB Rabbit pAb

CatalogNo: YN0545

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,ELISA

MW	Isotype
• 38kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from part region of human protein. AA range:1-74
Specificity	CHSTB Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	CHST11

Protein Name Carbohydrate sulfotransferase 11 (Chondroitin 4-O-sulfotransferase 1) (Chondroitin 4-sulfotransferase 1) (C4S-1) (C4ST-1) (C4ST1)

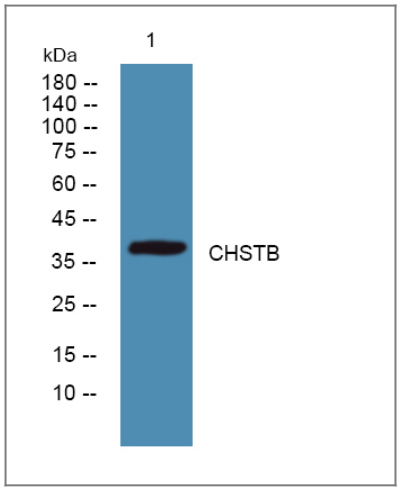
Organism	Gene ID	UniProt ID
Human	50515;	Q9NPF2;
Mouse		Q9JME2;
Rat		P69478;

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

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

Function Catalytic activity:3'-phosphoadenylyl sulfate + chondroitin = adenosine 3' ,5'-bisphosphate + chondroitin 4'-sulfate. ,Disease:A chromosomal aberration involving CHST11 is found in B-cell chronic lymphocytic leukemias. Translocation t (12;14) (q23;q32) with IgH. ,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. ,PTM:N-glycosylated; required for activity and stability. ,similarity:Belongs to the sulfotransferase 2 family. ,tissue specificity:Widely expressed. Highly expressed in spleen , thymus , bone marrow , peripheral blood leukocytes , lymph node , heart , brain , lung and placenta. ,

Validation Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4℃ over night

Contact information

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CHSTB Rabbit pAb

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