

For Research Use Only

CHST15 Polyclonal antibody

Catalog Number: 14298-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

14298-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5679

GenBank Accession Number:

BC050540

GeneID (NCBI):

51363

UNIPROT ID:

Q7LFX5

Full Name:

carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15

Calculated MW:

65 kDa

Observed MW:

49 kDa, 69 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: Jurkat cells, mouse spleen tissue, Raji cells, U-937 cells, mouse heart tissue, rat heart tissue

IP: Raji cells,

Background Information

Carbohydrate sulfotransferase 15, also known as CHST15, BRAG, GALNAC4S6ST and KIAA0598, is a single-pass type II membrane protein which belongs to the sulfotransferase 1 family. CHST15 is a sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO₄) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO₄)-GlcA(2SO₄)-GalNAc(6SO₄), to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. CHST15 may also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and / or regulation of B-cell-specific RAG expression. CHST15 is expressed in B-cell-enriched tissues but not in fetal or adult thymus. It is expressed in fetal and adult spleen, lymph node, tonsil, bone marrow and peripheral leukocytes. It can be detected as 49 kDa and 69 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Matthew R Blake	35604022	Elife	WB
Mingxiu Luo	24857976	Osteoarthritis Cartilage	IHC
Yang Sun	35434026	Ann Transl Med	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

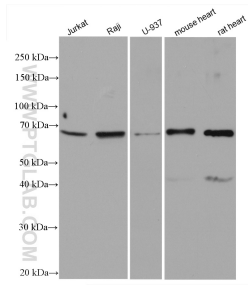
T: 4006900926

E: Proteintech-CN@ptglab.com

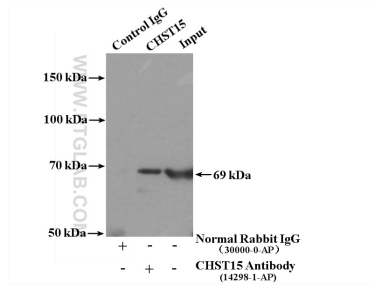
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14298-1-AP (CHST15 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-CHST15 (IP:14298-1-AP, 4ug; Detection:14298-1-AP 1:500) with Raji cells lysate 3200ug.