

For Research Use Only

CHST13-Specific Polyclonal antibody

Catalog Number:20141-1-AP



Basic Information

Catalog Number:

20141-1-AP

Size:

150ul , Concentration: 750 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_152889

GeneID (NCBI):

166012

UNIPROT ID:

Q8NET6

Full Name:

carbohydrate (chondroitin 4) sulfotransferase 13

Calculated MW:

39 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue,

IP : mouse liver tissue,

IHC : human kidney tissue, human hepatocirrhosis tissue

IF/ICC : Hela cells,

Background Information

CHST13, also named as C4ST3, belongs to the sulfotransferase 2 family. CHST13 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. CHST13 transfers sulfate to the C4 hydroxyl of beta 1,4-linked GalNAc that is substituted with a beta-linked glucuronic acid at the C-3 hydroxyl. No activity toward dermatan. The antibody is specific to CHST13.

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

***** 20ul sizes contain 0.1% BSA**

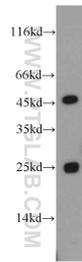
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

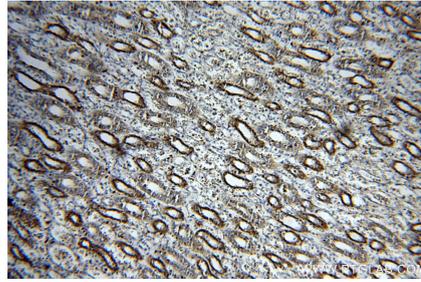
E: proteintech@ptglab.com
W: ptglab.com

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

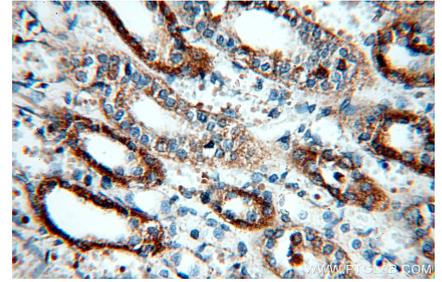
Selected Validation Data



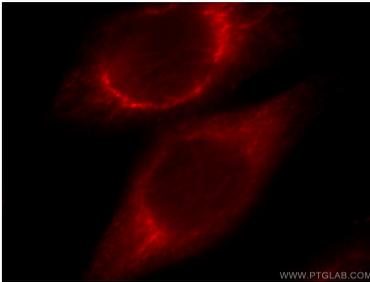
mouse liver tissue were subjected to SDS PAGE followed by western blot with 20141-1-AP (CHST13-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



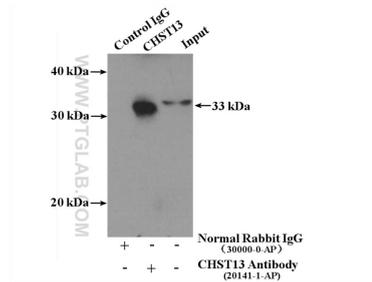
Immunohistochemical analysis of paraffin-embedded human kidney using 20141-1-AP (CHST13-Specific antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 20141-1-AP (CHST13-Specific antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using CHST13 antibody 20141-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-CHST13-Specific (IP:20141-1-AP, 4ug; Detection:20141-1-AP 1:500) with mouse liver tissue lysate 4000ug.