

# Product Datasheet

## Carbohydrate Sulfotransferase 5/CHST5 Antibody - BSA Free NBP1-91785

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-91785**

Carbohydrate Sulfotransferase 5/CHST5 Antibody - BSA Free

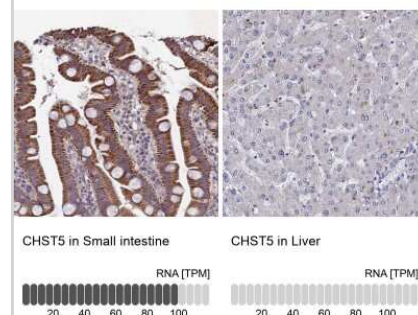
| Product Information |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Unit Size           | 0.1 ml                                                                                                           |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| Clonality           | Polyclonal                                                                                                       |
| Preservative        | 0.02% Sodium Azide                                                                                               |
| Isotype             | IgG                                                                                                              |
| Purity              | Immunogen affinity purified                                                                                      |
| Buffer              | PBS (pH 7.2) and 40% Glycerol                                                                                    |

| Product Description |                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit Carbohydrate Sulfotransferase 5/CHST5 Antibody - BSA Free (NBP1-91785) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-Carbohydrate Sulfotransferase 5/CHST5 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                                                                                                                         |
| Gene ID             | 23563                                                                                                                                                                                                                                                                                                          |
| Gene Symbol         | CHST5                                                                                                                                                                                                                                                                                                          |
| Species             | Human                                                                                                                                                                                                                                                                                                          |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids: MGMRARVPKVAHSTRPPAARMWLPRF                                                                                                                                                                                               |

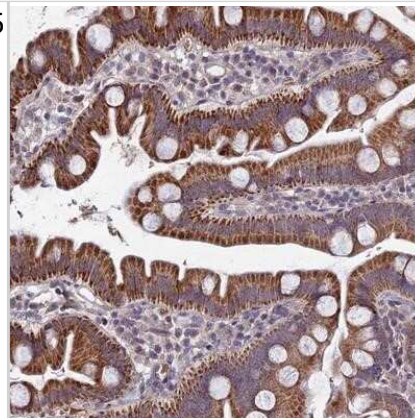
| Product Application Details |                                                                             |
|-----------------------------|-----------------------------------------------------------------------------|
| Applications                | Immunohistochemistry-Paraffin, Immunohistochemistry                         |
| Recommended Dilutions       | Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20 - 1:50 |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended.                       |

**Images**

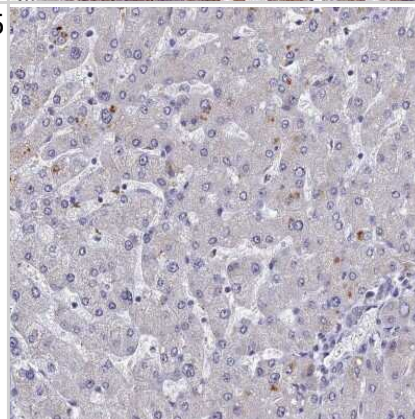
Immunohistochemistry-Paraffin: Carbohydrate Sulfotransferase 5/CHST5 Antibody [NBP1-91785] - Staining in human small intestine and liver tissues using anti-CHST5 antibody. Corresponding CHST5 RNA-seq data are presented for the same tissues.



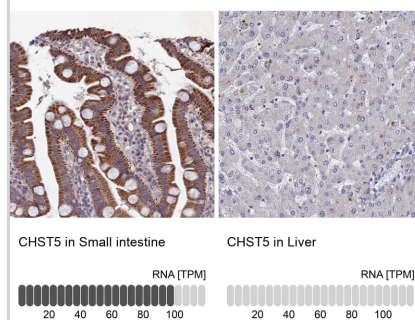
Immunohistochemistry-Paraffin: Carbohydrate Sulfotransferase 5/CHST5 Antibody [NBP1-91785] - Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.



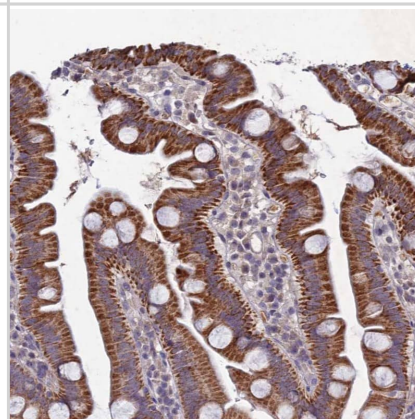
Immunohistochemistry-Paraffin: Carbohydrate Sulfotransferase 5/CHST5 Antibody [NBP1-91785] - Staining of human liver shows low expression as expected.



Analysis in human small intestine and liver tissues using Anti-CHST5 antibody. Corresponding CHST5 RNA-seq data are presented for the same tissues.



Staining of human small intestine shows high expression.



## Publications

Bhatia S, Prabhu PN, Benefiel AC et al. Galacto-oligosaccharides may directly enhance intestinal barrier function through the modulation of goblet cells. Mol Nutr Food Res. 2014-11-25 [PMID: 25421108] (ICC/IF, Human)



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### **Products Related to NBP1-91785**

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|               |                                                                   |
|---------------|-------------------------------------------------------------------|
| NBP1-91785PEP | Carbohydrate Sulfotransferase 5/CHST5 Recombinant Protein Antigen |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]                     |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]               |
| NBP2-24891    | Rabbit IgG Isotype Control                                        |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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