

**CHST9 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13188a****Specification**

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**CHST9 Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">O7L1S5</a>      |
| Other Accession   | <a href="#">NP_113610.2</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 52055                       |
| Antigen Region    | 21-50                       |

**CHST9 Antibody (N-term) - Additional Information****Gene ID** 83539**Other Names**

Carbohydrate sulfotransferase 9, 282-, GalNAc-4-O-sulfotransferase 2, GalNAc-4-ST2, GalNAc4ST-2, N-acetylgalactosamine-4-O-sulfotransferase 2, CHST9

**Target/Specificity**

This CHST9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human CHST9.

**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**

CHST9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CHST9 Antibody (N-term) - Protein Information****Name** CHST9**Function** Catalyzes the transfer of sulfate to position 4 of non- reducing N-acetylgalactosamine

(GalNAc) residues in both N-glycans and O-glycans. Participates in biosynthesis of glycoprotein hormones lutropin and thyrotropin, by mediating sulfation of their carbohydrate structures. Has a higher activity toward carbonic anhydrase VI than toward lutropin. Only active against terminal GalNAcbeta1, GalNAcbeta. Isoform 2, but not isoform 1, is active toward chondroitin.

#### **Cellular Location**

[Isoform 1]: Golgi apparatus membrane; Single-pass type II membrane protein

#### **Tissue Location**

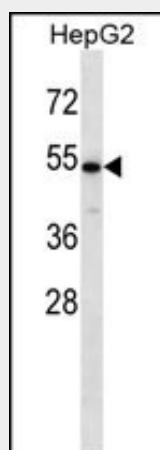
Highly expressed in trachea. Also expressed in fetal lung, adult pancreas, testis and salivary gland. Expressed at low level in pituitary gland, apex of the heart, adult lung, prostate and mammary gland. Weakly or not expressed in heart, liver and spinal cord

### **CHST9 Antibody (N-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **CHST9 Antibody (N-term) - Images**



CHST9 Antibody (N-term) (Cat. #AP13188a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CHST9 antibody detected the CHST9 protein (arrow).

### **CHST9 Antibody (N-term) - Background**

Sulfate groups in carbohydrates confer highly specific functions on glycoproteins, glycolipids, and proteoglycans and are critical for cell-cell interaction, signal transduction, and embryonic development. Sulfotransferases, such as CHST9, carry out sulfation of carbohydrates (Hiraoka et al., 2001 [PubMed 11445554]).

**CHST9 Antibody (N-term) - References**

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)  
Hiraoka, N., et al. Glycobiology 11(6):495-504(2001)  
Kang, H.G., et al. J. Biol. Chem. 276(14):10861-10869(2001)