

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

CHST9 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O7L1S5
Other Accession	NP_113610.2
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

E~~Use at an assay dependent concentration.

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

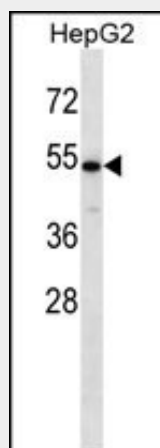
Highly expressed in trachea. Also expressed in fetal lung, adult pancreas, testis and salivary gland. Expressed at low level in pituitary gland, apex of the heart, adult lung, prostate and mammary gland. Weakly or not expressed in heart, liver and spinal cord

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)