
Summary

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|------------------------|----------------------------------|
| Production Name | CHST9 Rabbit Polyclonal Antibody |
| Description | Rabbit Polyclonal Antibody |
| Host | Rabbit |
| Application | IHC,IF,ELISA |
| Reactivity | Human,Mouse |

Performance

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|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| Purification | Affinity purification |

Immunogen

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|--------------------------|--|
| Gene Name | CHST9 |
| Alternative Names | CHST9; Carbohydrate sulfotransferase 9; GalNAc-4-O-sulfotransferase 2; GalNAc-4-ST2; GalNAc4ST-2; N-acetylgalactosamine-4-O-sulfotransferase 2 |
| Gene ID | 83539.0 |
| SwissProt ID | Q7L1S5.The antiserum was produced against synthesized peptide derived from human CHST9. AA range:361-410 |

Application

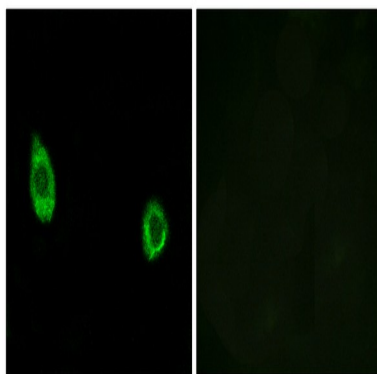
| | |
|-------------------------|---|
| Dilution Ratio | IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications. |
| Molecular Weight | |

Background

The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi membrane, and catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. Sulfate groups on carbohydrates confer highly specific functions to glycoproteins, glycolipids, and proteoglycans, and are critical for cell-cell interaction, signal transduction, and embryonic development. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Aug 2011],caution:It is uncertain whether Met-1 or Met-8 is the initiator.,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.,similarity:Belongs to the sulfotransferase 2 family.,tissue specificity: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.,

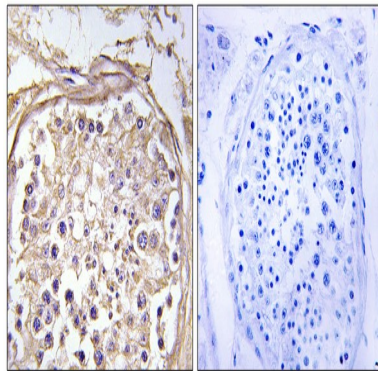
Research Area

Image Data



Immunofluorescence analysis of HUVEC cells, using CHST9 Antibody. The picture on the right is blocked with the synthesized peptide.

Product Name: CHST9 Rabbit Polyclonal Antibody
Catalog #: APRab08792



Immunohistochemistry analysis of paraffin-embedded human testis tissue, using CHST9 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.