



CHST9 Polyclonal Antibody

Catalog No	YP-Ab-03774
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	CHST9
Protein Name	Carbohydrate sulfotransferase 9
Immunogen	The antiserum was produced against synthesized peptide derived from human CHST9. AA range:361-410
Specificity	CHST9 Polyclonal Antibody detects endogenous levels of CHST9 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CHST9; Carbohydrate sulfotransferase 9; GalNAc-4-O-sulfotransferase 2; GalNAc-4-ST2; GalNAc4ST-2; N-acetylgalactosamine-4-O-sulfotransferase 2
Observed Band	
Cell Pathway	[Isoform 1]: Golgi apparatus membrane ; Single-pass type II membrane protein .; [Isoform 2]: Secreted .
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.
Function	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.,



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],

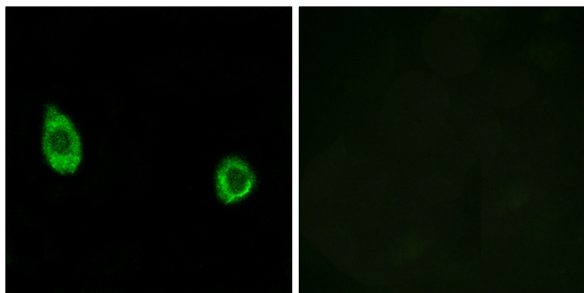
matters needing attention

Avoid repeated freezing and thawing!

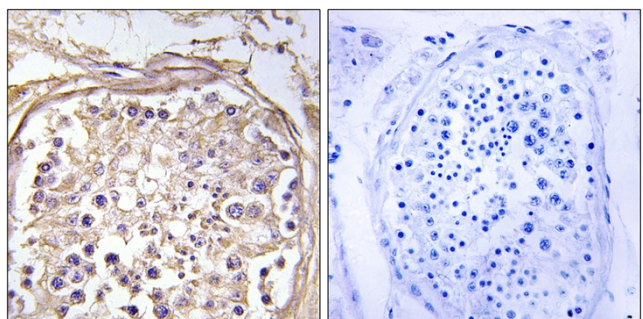
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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



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