

CHST8 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12842c**Specification**

CHST8 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9H2A9
Other Accession	NP_071912.2 , NP_001121367.1 , NP_001121368.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	48834
Antigen Region	219-247

CHST8 Antibody (Center) - Additional Information**Gene ID** 64377**Other Names**

Carbohydrate sulfotransferase 8, 282-, GalNAc-4-O-sulfotransferase 1, GalNAc-4-ST1, GalNAc4ST-1, N-acetylgalactosamine-4-O-sulfotransferase 1, CHST8

Target/Specificity

This CHST8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 219-247 amino acids from the Central region of human CHST8.

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

CHST8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CHST8 Antibody (Center) - Protein Information**Name** CHST8

Function Catalyzes the transfer of sulfate to position 4 of non- reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. Required for biosynthesis of glycoprotein hormones lutropin and thyrotropin, by mediating sulfation of their carbohydrate structures. Only active against terminal GalNAcbeta1, GalNAcbeta. Not active toward chondroitin.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

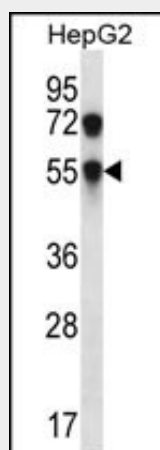
Predominantly expressed in pituitary gland. In brain, it is expressed in pituitary gland, cerebellum, medulla oblongata, pons, thalamus and spinal cord. Expressed in the epidermis Expressed at lower level in lung, spleen, adrenal gland, placenta, prostate, testis, mammary gland and trachea

CHST8 Antibody (Center) - 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](#)

CHST8 Antibody (Center) - Images



CHST8 Antibody (Center) (Cat. #AP12842c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CHST8 antibody detected the CHST8 protein (arrow).

CHST8 Antibody (Center) - 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 CHST8, carry out sulfation of carbohydrates (Hiraoka et al., 2001 [PubMed 11445554]).

CHST8 Antibody (Center) - References

Melen, E., et al. J. Allergy Clin. Immunol. 126(3):631-637(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Thorleifsson, G., et al. Nat. Genet. 41(1):18-24(2009)
Boregowda, R.K., et al. Glycobiology 15(12):1349-1358(2005)
Barret, A., et al. J. Biol. Chem. 280(11):10516-10523(2005)