

## Summary

Production Name	GalNAc4ST-1 Rabbit Polyclonal Antibody	
Description	Rabbit Polyclonal Antibody	
Host	Rabbit	
Application	WB,ELISA	
Reactivity	Human, Mouse, Rat	

#### Performance

Conjugation	Unconjugated	
Modification	Unmodified	
lsotype	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

Gene Name	CHST8	
Alternative Names	CHST8; Carbohydrate sulfotransferase 8; GalNAc-4-O-sulfotransferase 1; GalNAc-4-	
	ST1; GalNAc4ST-1; N-acetylgalactosamine-4-O-sulfotransferase 1	
Gene ID	64377.0	
SwissProt ID	Q9H2A9.The antiserum was produced against synthesized peptide derived from	
	human CHST8. AA range:341-390	

## Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:40000.
Molecular Weight	40kD

Product Name: GalNAc4ST-1 Rabbit Polyclonal Antibody Catalog #: APRab11281

#### Background

The protein encoded by this gene belongs to the sulfotransferase 2 family. It is predominantly expressed in the pituitary gland, and is localized to the golgi membrane. This protein catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. It is responsible for sulfation of GalNAc on luteinizing hormone (LH), which is required for production of the sex hormones. Mice lacking this enzyme, exhibit increased levels of circulating LH, and precocious sexual maturation of both male and female mice. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2011],caution:PubMed:10988300 reports the possible existence of a secreted isoform starting at Met-119. However, they do not provide any experimental evidence.,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.,induction:Down-regulated (17-fold) in prion-infected cells.,similarity:Belongs to the sulfotransferase 2 family.,tissue specificity:Predominantly expressed in pituitary gland. In brain, it is expressed in pituitary gland, cerebellum, medulla oblongata, pons, thalamus and spinal cord. Expressed at lower level in lung, spleen, adrenal gland, placenta, prostate, testis, mammary gland and trachea.,

EnkiLife

#### **Research Area**

#### **Image Data**



Western blot analysis of lysates from K562 cells, using CHST8 Antibody. The lane on the right is blocked with the synthesized peptide.

# Product Name: GalNAc4ST-1 Rabbit Polyclonal Antibody Enkilife



Western blot analysis of the lysates from HT-29 cells using CHST8 antibody.

#### Note

For research use only.