

**CHST10 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17499B**

**Specification**

**CHST10 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O43529</a>
Other Accession	<a href="#">NP_004845.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	42207
Antigen Region	208-236

**CHST10 Antibody (C-term) - Additional Information**

**Gene ID** 9486

**Other Names**

Carbohydrate sulfotransferase 10, 282-,  
HNK-1 sulfotransferase, HNK-1ST, HNK1ST,  
HuHNK-1ST, CHST10

**Target/Specificity**

This CHST10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 208-236 amino acids from the C-terminal region of human CHST10.

**Dilution**

WB~~1:1000

**Format**

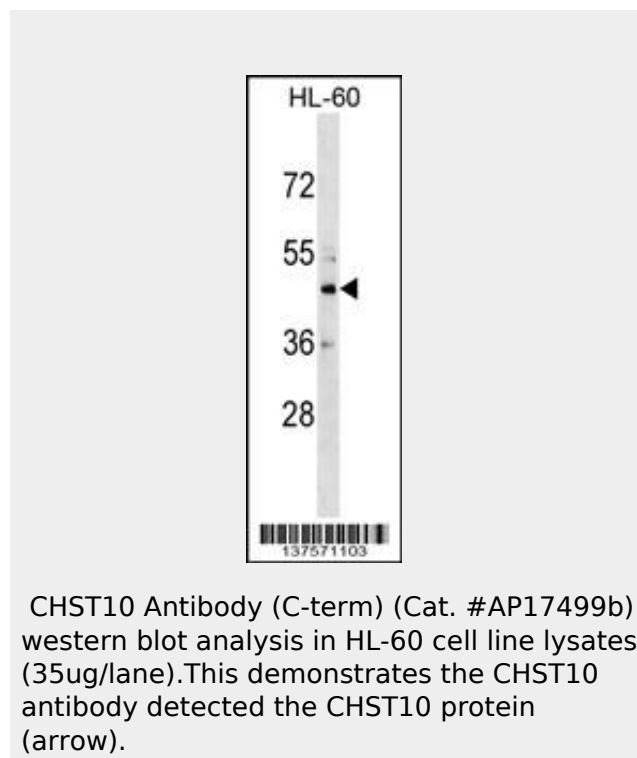
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

CHST10 Antibody (C-term) is for research



**CHST10 Antibody (C-term) - Background**

Cell surface carbohydrates modulate a variety of cellular functions and are typically synthesized in a stepwise manner.

HNK1ST plays a role in the biosynthesis of HNK1 (see MIM 151290), a neuronally expressed carbohydrate that contains a sulfoglucuronyl residue.

**CHST10 Antibody (C-term) - References**

- Zhao, X., et al. Cancer Res. 69(12):5218-5225(2009)
- Kang, H.G., et al. J. Biol. Chem. 277(38):34766-34772(2002)
- Ong, E., et al. J. Biol. Chem. 274(36):25608-25612(1999)
- Ong, E., et al. J. Biol. Chem. 273(9):5190-5195(1998)

use only and not for use in diagnostic or therapeutic procedures.

#### **CHST10 Antibody (C-term) - Protein Information**

**Name** CHST10

#### **Function**

Catalyzes the transfer of sulfate to position 3 of terminal glucuronic acid of both protein- and lipid-linked oligosaccharides. Participates in biosynthesis of HNK-1 carbohydrate structure, a sulfated glucuronyl-lactosaminy residue carried by many neural recognition molecules, which is involved in cell interactions during ontogenetic development and in synaptic plasticity in the adult. May be indirectly involved in synapse plasticity of the hippocampus, via its role in HNK-1 biosynthesis.

#### **Cellular Location**

Golgi apparatus membrane; Single- pass type II membrane protein

#### **Tissue Location**

In fetal tissues, it is predominantly expressed in brain, and weakly expressed in lung, kidney and liver. In adult, it is highly expressed in brain, testis, ovary, expressed at intermediate level in heart, pancreas, skeletal muscle, spleen and thymus, and weakly expressed in other tissues. In brain, it is expressed at higher level in the frontal lobe.

#### **CHST10 Antibody (C-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](#)