

**CHST5 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55348****Specification****CHST5 Polyclonal Antibody - Product Information**

|                                |   |
|--------------------------------|---|
| Application                    | IHC-P, IHC-F, IF, ICC   |
| Primary Accession              | <a href="#">O9GZS9</a>  |
| Reactivity                     | Rat, Pig, Dog, Bovine   |
| Host                           | Rabbit  |
| Clonality                      | Polyclonal  |
| Calculated MW                  | 46 KDa  |
| Physical State                 | Liquid  |
| Immunogen                      | KLH conjugated synthetic peptide derived from human CHST5   |
| Epitope Specificity            | 21-120/411  |
| Isotype                        | IgG   |
| <b>Purity</b>                  |   |
| affinity purified by Protein A |   |
| Buffer                         | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.   |
| SUBCELLULAR LOCATION           | Golgi apparatus membrane. Golgi membrane, early secretory pathway.  |
| SIMILARITY                     | Belongs to the sulfotransferase 1 family. Gal/GlcNAc/GalNAc subfamily.  |
| Important Note                 | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

**Background Descriptions**

The protein encoded by this gene belongs to the Gal/GalNAc/GlcNAc 6-O-sulfotransferase (GST) family, members of which catalyze the transfer of sulfate to position 6 of galactose (Gal), N-acetylgalactosamine (GalNAc), or N-acetylglucosamine (GlcNAc) residues within proteoglycans, and sulfation of O-linked sugars of mucin-type acceptors. Carbohydrate sulfation plays a critical role in many biologic processes. This gene is predominantly expressed in colon and small intestine. [provided by RefSeq, Aug 2011]

**CHST5 Polyclonal Antibody - Additional Information****Gene ID** 23563**Other Names**

Carbohydrate sulfotransferase 5, 2.8.2.-, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4-alpha, GST4-alpha, Intestinal N-acetylglucosamine-6-O-sulfotransferase, I-GlcNAc6ST, Intestinal GlcNAc-6-sulfotransferase, hIGn6ST, N-acetylglucosamine 6-O-sulfotransferase 3, GlcNAc6ST-3, Gn6st-3, CHST5

**Target/Specificity**

Predominantly expressed in small and large intestines and colon. Weakly expressed in

lymphocytes. Not expressed in other tissues. Down-regulated in colonic adenocarcinomas.

**Dilution**

IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
ICC~~N/A

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**CHST5 Polyclonal Antibody - Protein Information****Name** CHST5**Function**

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues and O-linked sugars of mucin-type acceptors. Acts on the non-reducing terminal GlcNAc of short carbohydrate substrates. However, it does not transfer sulfate to longer carbohydrate substrates that have poly-N- acetyllactosamine structures. Has no activity toward keratan. Not involved in generating HEV-expressed ligands for SELL. Its substrate specificity may be influenced by its subcellular location.

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein. Note=Golgi membrane, early secretory pathway

**Tissue Location**

Predominantly expressed in small and large intestines and colon. Weakly expressed in lymphocytes. Not expressed in other tissues. Down-regulated in colonic adenocarcinomas

**CHST5 Polyclonal Antibody - 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](#)

**CHST5 Polyclonal Antibody - Images**