

**CHSY3 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21377b****Specification**

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**CHSY3 Antibody (C-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB,E                   |
| Primary Accession | <a href="#">Q70JAZ</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | polyclonal             |
| Isotype           | Rabbit IgG             |
| Calculated MW     | 100284                 |

**CHSY3 Antibody (C-term) - Additional Information****Gene ID** 337876**Other Names**

Chondroitin sulfate synthase 3, Carbohydrate synthase 2, Chondroitin glucuronyltransferase 3, Chondroitin synthase 2, ChSy-2, Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II, N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 3, N-acetylgalactosaminyltransferase 3, CHSY3, CHSY2, CSS3

**Target/Specificity**

This CHSY3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 751-785 amino acids from the C-terminal region of human CHSY3.

**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**

CHSY3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CHSY3 Antibody (C-term) - Protein Information****Name** CHSY3

**Synonyms** CHSY2, CSS3

**Function** Has both beta-1,3-glucuronic acid and beta-1,4-N- acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP- GalNAc to the non-reducing end of the elongating chondroitin polymer. Specific activity is much reduced compared to CHSY1.

**Cellular Location**

Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein

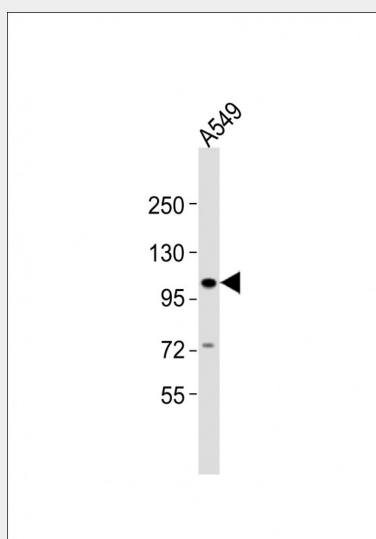
**Tissue Location**

Detected at low levels in brain, cerebral cortex, uterus and small intestine.

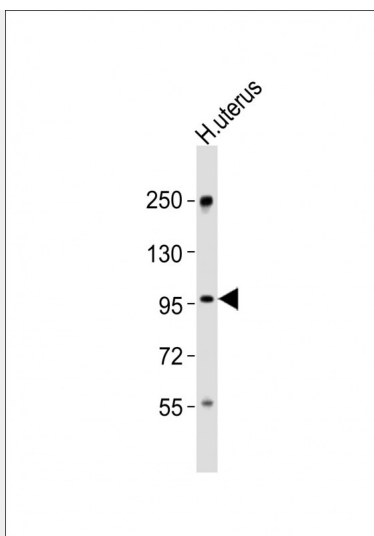
**CHSY3 Antibody (C-term) - Protocols**

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](#)

**CHSY3 Antibody (C-term) - Images**

Anti-CHSY3 Antibody (C-term) at 1:2000 dilution + A549 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 100 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-CHSY3 Antibody (C-term) at 1:1000 dilution + human uterus lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 100 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

#### **CHSY3 Antibody (C-term) - Background**

Has both beta-1,3-glucuronic acid and beta-1,4-N-acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of the elongating chondroitin polymer. Specific activity is much reduced compared to CHSY1.

#### **CHSY3 Antibody (C-term) - References**

Yada T., et al. J. Biol. Chem. 278:39711-39725(2003).

Kamakari S., et al. Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.