

**CHSY3 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20033C****Specification**

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**CHSY3 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O70JA7</a>
Other Accession	<a href="#">O5DTK1</a> , <a href="#">NP_787052.3</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	100284
Antigen Region	531-560

**CHSY3 Antibody (Center) - 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 rabbits immunized with a KLH conjugated synthetic peptide between 531-560 amino acids from the Central region of human CHSY3.

**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**

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

**CHSY3 Antibody (Center) - 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**

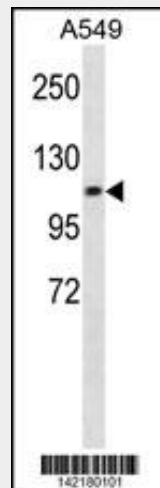
Detected at low levels in brain, cerebral cortex, uterus and small intestine.

**CHSY3 Antibody (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](#)

**CHSY3 Antibody (Center) - Images**



CHSY3 Antibody (Center) (Cat. #AP20033c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the CHSY3 antibody detected the CHSY3 protein (arrow).

**CHSY3 Antibody (Center) - Background**

CSS3 is a glycosyltransferase that has both glucuronyltransferase and N-acetylgalactosaminyltransferase activities (Yada et al., 2003 [PubMed 12907687]). [supplied by OMIM].

**CHSY3 Antibody (Center) - References**

- Izumikawa, T., et al. Biochem. J. 403(3):545-552(2007)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Yada, T., et al. J. Biol. Chem. 278(41):39711-39725(2003)