

**CHSY3 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21080a**

**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>
Reactivity	Human, Mouse
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	100284

**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 a rabbit immunized with a KLH conjugated synthetic peptide between 295-329 amino acids from the Central region of human CHSY3.

**Dilution**

WB~~1:1000-1:2000

**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

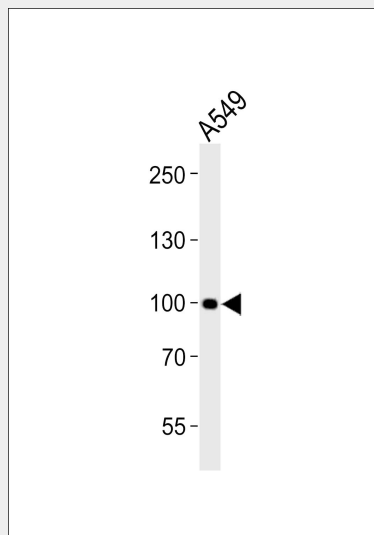
Detected at low levels in brain, cerebral cortex, uterus and small intestine.

## CHSY3 Antibody (Center) - Protocols

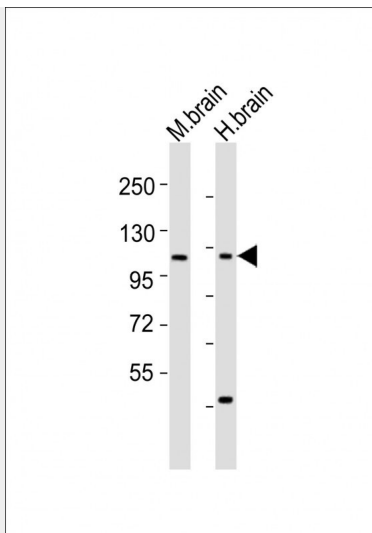
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CHSY3 Antibody (Center) - Images



Western blot analysis of lysate from A549 cell line, using CHSY3 Antibody (Center)(Cat. #AP21080a). AP21080a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



All lanes : Anti-CHSY3 Antibody (Center) at 1:1000-1:2000 dilution Lane 1: mouse brain lysates  
Lane 2: human brain 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% NFD/MTBST.

#### **CHSY3 Antibody (Center) - 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 (Center) - 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.