

Anti-CHSY1 Antibody
Rabbit polyclonal antibody to CHSY1
Catalog # AP60946**Specification**

Anti-CHSY1 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q86X52
Other Accession	Q6ZQ11
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91784

Anti-CHSY1 Antibody - Additional Information**Gene ID** 22856**Other Names**

CHSY; CSS1; KIAA0990; Chondroitin sulfate synthase 1; Chondroitin glucuronyltransferase 1; Chondroitin synthase 1; ChSy-1; Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase 1; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 1; N-acetylgalactosaminyltransferase 1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CHSY1. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100)
IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CHSY1 Antibody - Protein Information**Name** CHSY1 ([HGNC:17198](#))**Synonyms** CHSY, CSS1, KIAA0990**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. Involved in the negative control of osteogenesis likely through the modulation of NOTCH signaling.

Cellular Location

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

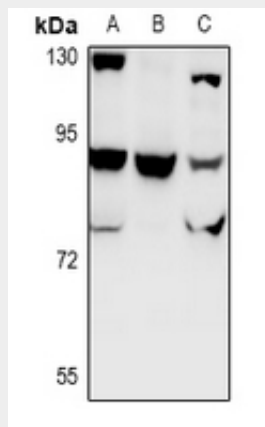
Tissue Location

Ubiquitous, with the highest levels in placenta. Detected at low levels in brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, adrenal gland, mammary gland, stomach, small intestine, lung and peripheral blood leukocytes

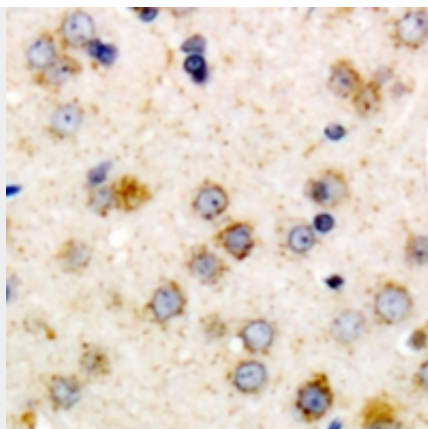
Anti-CHSY1 Antibody - Protocols

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](#)

Anti-CHSY1 Antibody - Images

Western blot analysis of CHSY1 expression in HEK293T (A), PC12 (B), AML12 (C) whole cell lysates.



Immunohistochemical analysis of CHSY1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-CHSY1 Antibody - Background

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