

# Anti-CHSY1 Antibody

Rabbit polyclonal antibody to CHSY1  
Catalog # AP60946

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q86X52</a>
<b>Other Accession</b>	<a href="#">Q6ZQ11</a>
<b>Reactivity</b>	Human, Mouse, Rat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	91784

## Additional Information

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<b>Gene ID</b>	22856
<b>Other Names</b>	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
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CHSY1. The exact sequence is proprietary.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	CHSY1 ( <a href="#">HGNC:17198</a> )
<b>Synonyms</b>	CHSY, CSS1, KIAA0990
<b>Function</b>	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

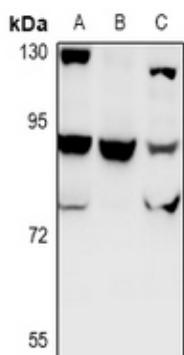
## Background

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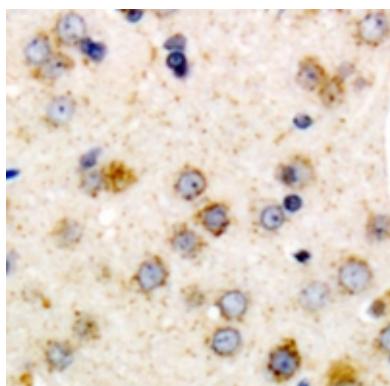
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CHSY1. The exact sequence is proprietary.

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.