

Rabbit CHSY1 Polyclonal Antibody | anti-CHSY1 antibody

CHSY1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31110	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

CHSY1; Polyclonal Antibody; CHSY1 Antibody; Carbohydrate synthase 1; Chondroitin glucuronyltransferase 1; Chondroitin glucuronyltransferase II; Chondroitin sulfate synthase 1; Chondroitin synthase 1; CHSS1_HUMAN; CHSY; ChSy-1; Chsy1; CSS1; Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase 1; N acetylgalactosaminyltransferase II; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 1; N-acetylgalactosaminyltransferase 1; TPBS; anti-CHSY1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHSY1 antibody detects endogenous levels of total CHSY1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	802
Applicable Applications for anti-CHSY1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:1000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 The optimal dilutions should be determined by the end user. IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human CHSY1, corresponding to a region within the internal amino acids
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA31110 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



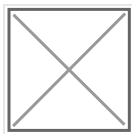
WB (Western Blot)
Western blot analysis of extracts from mouse brain, using CHSY1 Ab



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using CHSY1 antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa, using CHSY1 antibody., The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)
AAA31110 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CHSY1 antibody	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. Subunit Structure: Binds CHPF. Similarity: Belongs to the chondroitin N-acetylgalactosaminyltransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542309
NCBI GeneID	22856
NCBI Accession #	NP_055733.2
NCBI GenBank Nucleotide #	NM_014918.4
UniProt Accession #	Q86X52; Q6UX38; Q7LFU5; Q9Y2J5
Molecular Weight	91 kD
NCBI Official Full Name	chondroitin sulfate synthase 1
NCBI Official Synonym Full Names	chondroitin sulfate synthase 1
NCBI Official Symbol	CHSY1
NCBI Official Synonym Symbols	CHSY; CSS1; TPBS; ChSy-1
NCBI Protein Information	chondroitin sulfate synthase 1
UniProt Protein Name	Chondroitin sulfate synthase 1

UniProt Gene Name	CHSY1
UniProt Synonym Gene Names	CHSY; CSS1; KIAA0990; ChSy-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chsy1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31110>