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CHSY1 Polyclonal Antibody

Catalog # AP69106

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q86X52
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91784

Additional Information

Gene ID	22856
Other Names	CHSY1; 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-acetylgalactosa
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

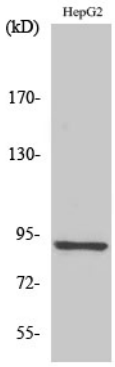
Name	CHSY1 (HGNC:17198)
Synonyms	CHSY, CSS1, KIAA0990
Function	Catalytic component of CHSY1-CHPF2 and CHSY1-CHPF chondroitin sulfate synthase complexes (PubMed:41298522). Has both beta-1,3- glucuronic acid and beta-1,4-N-acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N- acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of the elongating chondroitin polymer (PubMed:11514575, PubMed:12716890). 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

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.

Images



Western Blot analysis of various cells using CHSY1 Polyclonal Antibody

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