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Datasheet for ABIN6260831 anti-CHST14 antibody (Internal Region)

2 Images



Overview

Quantity:	100 µL
Target:	CHST14
Binding Specificity:	Internal Region
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHST14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human CHST14, corresponding to a region within the internal amino acids.
Isotype:	lgG
Specificity:	CHST14 Antibody detects endogenous levels of total CHST14.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Sheep,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

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CHST14

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Target Details	
Alternative Name:	CHST14 (CHST14 Products)
Background:	Description: Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of dermatan sulfate. Plays a pivotal role in the formation of 4-0-sulfated IdoA blocks in dermatan sulfate. Transfers sulfate to the C-4 hydroxyl of beta1,4-linked GalNAc that is substituted with an alpha-linked iduronic acid (IdoUA) at the C-3 hydroxyl. Transfers sulfate more efficiently to GalNAc residues in -IdoUA-GalNAc-IdoUA- than in -GlcUA-GalNAc-GlcUA- sequences. Has preference for partially desulfated dermatan sulfate. Addition of sulfate to GalNAc may occur immediately after epimerization of GlcUA to IdoUA. Appears to have an important role in the formation of the cerebellar neural network during postnatal brain development. Gene: CHST14
Molecular Weight:	43 kDa
Gene ID:	113189
UniProt:	Q8NCH0
Pathways:	Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	WB 1:1000-3000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.

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Handling

Expiry Date:

12 months

Images



Western Blotting

Image 1. Western blot analysis of CHST14 using HepG2 whole cell lysates

Western Blotting

Image 2. Western blot analysis of extracts from rat muscle and rat brain, using CHST14 Antibody.

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