

Datasheet for ABIN2783597

anti-CHST14 antibody (Middle Region)



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1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	CHST14
Binding Specificity:	Middle Region
Reactivity:	Mouse, Human, Rat, Pig, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHST14 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CHST14
Sequence:	REYQQRYGAE IVRRYRAGAG PSPAGDDVTF PEFLRYLVDE DPERMNEHWM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 86%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against CHST14. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CHST14
Alternative Name:	CHST14 (CHST14 Products)

Target Details

Background:	<p>CHST14 belongs to the sulfotransferase 2 family. CHST14 catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of dermatan sulfate. It 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. It transfers sulfate more efficiently to GalNAc residues in -IdoUA-GalNAc-IdoUA- than in -GlcUA-GalNAc-GlcUA-sequences. CHST14 has preference for partially desulfated dermatan sulfate. Addition of sulfate to GalNAc may occur immediately after epimerization of GlcUA to IdoUA.</p> <p>Alias Symbols: D4ST-1, D4ST1, HD4ST, HNK1ST, ATCS</p> <p>Protein Interaction Partner: UBD,</p> <p>Protein Size: 338</p>
Molecular Weight:	35 kDa
Gene ID:	113189
UniProt:	Q8NCH0
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 338 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

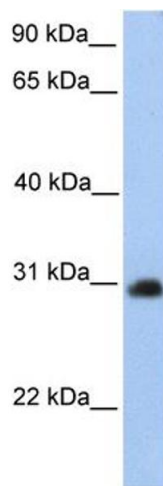
Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Mehrle, Rosenfelder, Schupp, del Val, Arlt, Hahne, Bechtel, Simpson, Hofmann, Hide, Glatting, Huber, Pepperkok, Poustka, Wiemann: "The LIFEdb database in 2006." in: **Nucleic acids research**, Vol. 34, Issue Database issue, pp. D415-8, (2005) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-CHST14 Antibody Titration:
0.2-1 ug/ml Positive Control: HepG2 cell lysate