

Datasheet for ABIN657148
anti-NDST1 antibody (C-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	NDST1
Binding Specificity:	AA 820-849, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDST1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This NDST1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 820-849 amino acids from the C-terminal region of human NDST1.
Clone:	RB33030
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NDST1
Alternative Name:	NDST1 (NDST1 Products)

Target Details

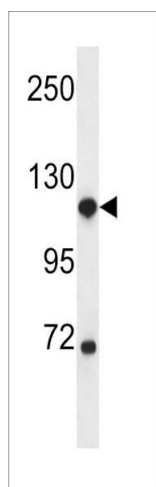
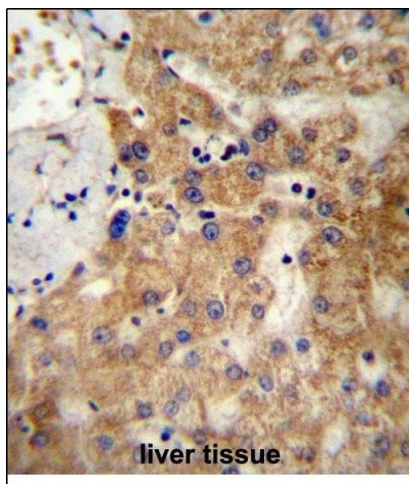
Background:	NDST1 is an essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. Modifies the GlcNAc-GlcA dissacharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis. Plays a role in determining the extent and pattern of sulfation of heparan sulfate. Compared to other NDST enzymes, its presence is absolutely required. Participates in biosynthesis of heparan sulfate that can ultimately serve as L-selectin ligands, thereby playing a role in inflammatory response.
Molecular Weight:	100868
NCBI Accession:	NP_001534
UniProt:	P52848
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones , Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. NDST1 Antibody (C-term) (ABIN657148 and ABIN2846284) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of NDST1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. NDST1 Antibody (C-term) (ABIN657148 and ABIN2846284) western blot analysis in CEM cell line lysates (35 µg/lane). This demonstrates the NDST1 antibody detected the NDST1 protein (arrow).