Datasheet for ABIN7145570

anti-NDST1 antibody (AA 40-556)

3 Images

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Overview

Quantity:	100 µg
Target:	NDST1
Binding Specificity:	AA 40-556
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDST1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 protein (40-556AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NDST1
Alternative Name:	NDST1 (NDST1 Products)
Background:	Background: Essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-

Target Details

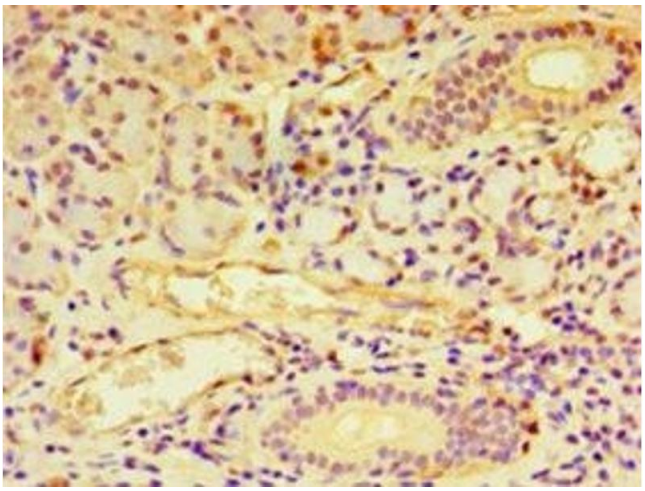
	sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. Modifies the GlcNAc-GlcA disaccharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis. Plays a role in determining the extent and pattern of sulfation 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. Aliases: NDST1 antibody, HSST antibody, HSST1 antibody, Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 antibody, EC 2.8.2.8 antibody, Glucosaminyl N-deacetylase/N-sulfotransferase 1 antibody, NDST-1 antibody, N-heparan sulfate sulfotransferase 1 antibody, N-HSST 1 antibody, [Heparan sulfate]-glucosamine N-sulfotransferase 1 antibody, HSNST 1) [Includes: Heparan sulfate N-deacetylase 1 antibody, EC 3.-.-.-), Heparan sulfate N-sulfotransferase 1 antibody, EC 2.8.2.-)] antibody
UniProt:	P52848
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

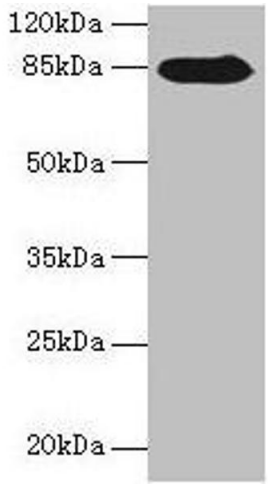
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



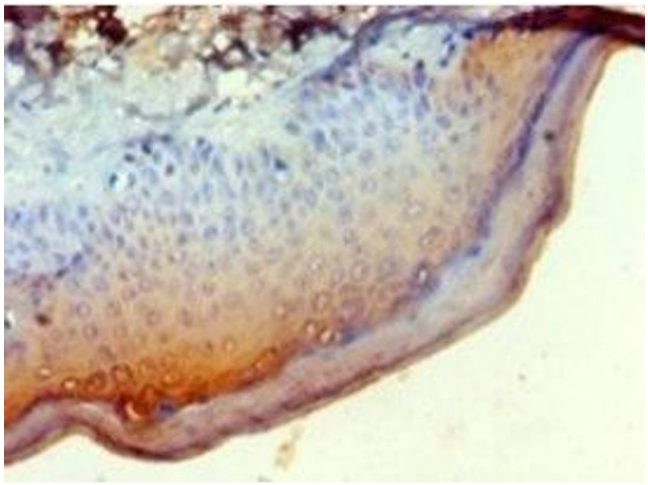
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7145570 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: NDST1 antibody at 6 µg/mL + MCF-7 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 101, 63 kDa Observed band size: 85 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human skin tissue using ABIN7145570 at dilution of 1:100

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