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## Datasheet for ABIN1423139 **anti-NDST1 antibody (Cy3)**

### Overview

Quantity:	100 µL
Target:	NDST1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDST1 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NDST1
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	NDST1
Alternative Name:	NDST1 ( <a href="#">NDST1 Products</a> )
Background:	Synonyms: [Heparan sulfate]-glucosamine N-sulfotransferase 1, Bunctional heparan sulfate N-deacetylase/N-sulfotransferase 1, Glucosaminyl N-deacetylase/N-sulfotransferase 1, Heparan sulfate N-deacetylase 1, Heparan sulfate N-sulfotransferase 1, HSNST 1, HSNST-1, HSST, HSST1, N-heparan sulfate sulfotransferase 1, N-HSST 1, NDST-1, Ndst1, NDST1_HUMAN.

## Target Details

Background: 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.

Gene ID:	3340
Pathways:	<a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months