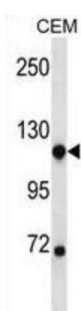
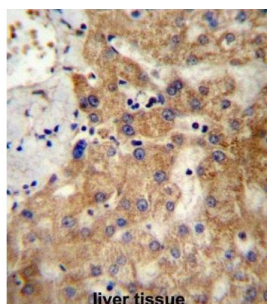


## **Bifunctional Heparan Sulfate N-Deacetylase/N-Sulfotransferase 1 (NDST1) Antibody**

Catalogue No.: abx027288



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 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.

**Target:** NDST1

**Reactivity:** Human

**Host:** Rabbit

**Clonality:** Polyclonal

**Tested Applications:** WB, IHC

**Recommended dilutions:** Optimal dilutions/concentrations should be determined by the end user.

**Immunogen:** Human NDST1.

**Purification:** Peptide Affinity Purified Rabbit Polyclonal Antibody.

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<b>Isotype:</b>	IgG
<b>Conjugation:</b>	Unconjugated
<b>Specificity:</b>	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.
<b>Storage:</b>	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
<b>Swiss Prot:</b>	<a href="#"><u>P52848</u></a>
<b>Buffer:</b>	PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Note:</b>	This product is for research use only.