

PACO28514

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## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:1000-1:5000,  
IHC:1:20-1:200

**Protein 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 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.

**Gene ID:**

NDST1

**Uniprot**

P52848

**Synonyms:**

Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 (EC 2.8.2.8) (Glucosaminyl N-deacetylase/N-sulfotransferase 1) (NDST-1) (N-heparan sulfate sulfotransferase 1) (N-HSST 1) ([Heparan sulfate]-glucosamine N-sulfotransferase 1) (HSNST 1) [Includes: Heparan sulfate N-deacetylase 1 (EC 3. -. -. ); Heparan sulfate N-sulfotransferase 1 (EC 2.8.2. -)], NDST1, HSST HSST1

**Immunogen:**

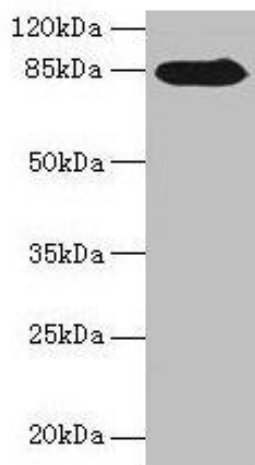
Recombinant Human Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 protein (40-556AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

## Product Images

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### Western blot

All lanes: NDST1 antibody at 6 $\mu$ g/ml + MCF-7 whole cell lysate

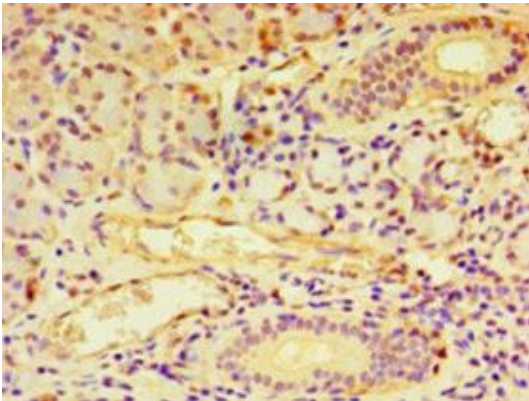
Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

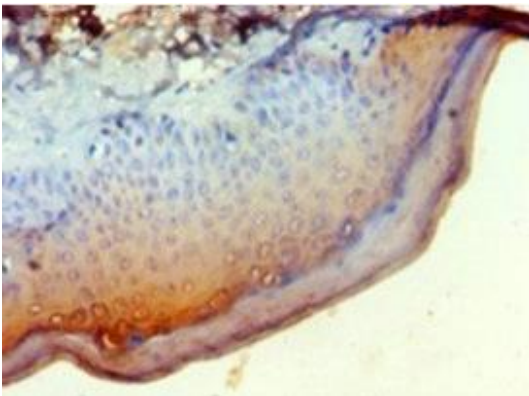
Predicted band size: 101, 63 kDa

Observed band size: 85 kDa

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Immunohistochemistry of paraffin-embedded human pancreatic tissue using PACO28514 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human skin tissue using PACO28514 at dilution of 1:100.