

NDST4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18104A**Specification**

NDST4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9H3R1
Other Accession	NP_072091.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	100716
Antigen Region	185-212

NDST4 Antibody (N-term) - Additional Information**Gene ID** 64579**Other Names**

Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4, Glucosaminyl N-deacetylase/N-sulfotransferase 4, NDST-4, N-heparan sulfate sulfotransferase 4, N-HSST 4, Heparan sulfate N-deacetylase 4, 3---, Heparan sulfate N-sulfotransferase 4, 282-, NDST4, HSST4

Target/Specificity

This NDST4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-212 amino acids from the N-terminal region of human NDST4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NDST4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NDST4 Antibody (N-term) - Protein Information**Name** NDST4

Synonyms HSST4

Function 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. Has low deacetylase activity but high sulfotransferase activity (By similarity).

Cellular Location

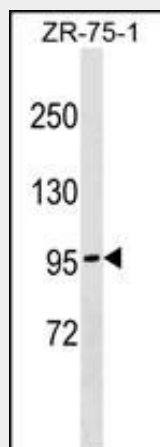
Golgi apparatus membrane; Single- pass type II membrane protein

NDST4 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NDST4 Antibody (N-term) - Images



NDST4 Antibody (N-term) (Cat. #AP18104a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the NDST4 antibody detected the NDST4 protein (arrow).

NDST4 Antibody (N-term) - 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. Has low deacetylase activity but high sulfotransferase activity (By similarity).

NDST4 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :

Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010)
Treutlein, J., et al. Arch. Gen. Psychiatry 66(7):773-784(2009)
Aikawa, J., et al. J. Biol. Chem. 276(8):5876-5882(2001)