

NDST2 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16443**Specification**

NDST2 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P52849
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

NDST2 Antibody (N-Terminus) - Additional Information**Gene ID** 8509**Other Names**

Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2, 2.8.2.8, Glucosaminyl N-deacetylase/N-sulfotransferase 2, NDST-2, N-heparan sulfate sulfotransferase 2, N-HSST 2, Heparan sulfate N-deacetylase 2, 3.-.-., Heparan sulfate N-sulfotransferase 2, 2.8.2.-, NDST2, HSST2

Target/Specificity

NDST2 antibody is human, mouse and rat reactive. At least two isoforms of NDST2 are known to exist; this antibody will only detect the larger isoform. NDST2 antibody is predicted not to cross-react with other members of the NDST protein family.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

NDST2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NDST2 Antibody (N-Terminus) - Protein Information**Name** NDST2**Synonyms** HSST2**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. Plays a role in determining the extent and pattern of sulfation of heparan sulfate. Required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413).

Cellular Location

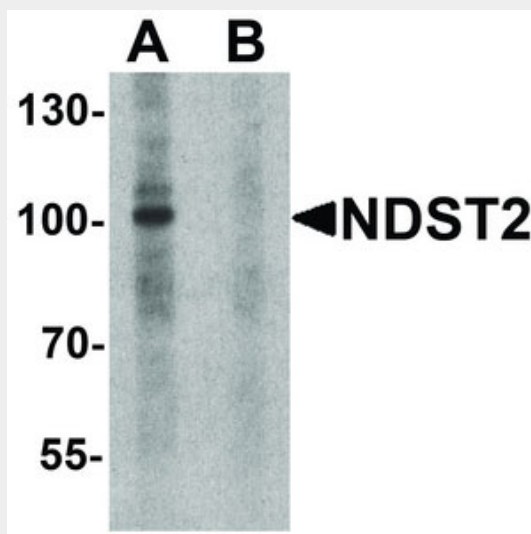
Golgi apparatus membrane; Single- pass type II membrane protein

NDST2 Antibody (N-Terminus) - Protocols

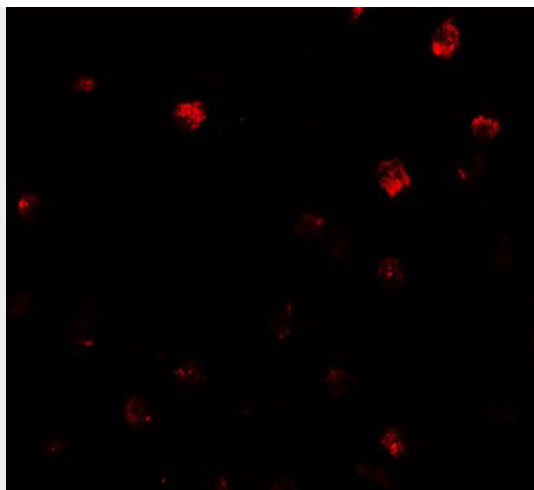
Provided below are standard protocols that you may find useful for product applications.

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

NDST2 Antibody (N-Terminus) - Images



Western blot analysis of NDST2 in A-20 cell lysate with NDST2 antibody at 1 ug/ml in (A) the...



Immunofluorescence of NDST2 in Daudi cells with NDST2 antibody at 20 ug/ml.

NDST2 Antibody (N-Terminus) - 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.

NDST2 Antibody (N-Terminus) - References

Humphries D.E.,et al.Biochem. J. 332:303-307(1998).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Pikas D.S.,et al.Biochemistry 39:4552-4558(2000).
van den Born J.,et al.Glycobiology 13:1-10(2003).
Duncan M.B.,et al.Biochem. Biophys. Res. Commun. 339:1232-1237(2006).