

NDST4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18104a**Specification**

NDST4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9H3R1](#)**NDST4 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NDST4 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NDST4 Antibody (N-term) Blocking Peptide - Images

NDST4 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)