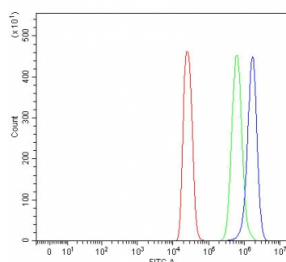


NDST4 Antibody / HSST4 (RQ8051)

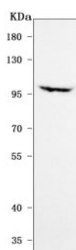
Catalog No.	Formulation	Size
RQ8051	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H3R1
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NDST4 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human 293T cells with NDST4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NDST4 antibody.



Western blot testing of human 293T cell lysate with NDST4 antibody. Predicted molecular weight ~101 kDa.

Description

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).

Application Notes

Optimal dilution of the NDST4 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q39-L260) was used as the immunogen for the NDST4 antibody.

Storage

After reconstitution, the NDST4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.