

## ARG43934 anti-NDST4 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NDST4
Tested Reactivity	Hu
Tested Application	ELISA, FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDST4
Species	Human
Immunogen	Human NDST4 recombinant protein
Conjugation	Un-conjugated
Alternate Names	NDST4; N-Deacetylase And N-Sulfotransferase 4; Bifunctional Heparan Sulfate N-Deacetylase/N-Sulfotransferase 4; N-Deacetylase/N-Sulfotransferase (Heparan Glucosaminyl) 4; Glucosaminyl N-Deacetylase/N-Sulfotransferase 4; N-Heparan Sulfate Sulfotransferase 4; N-HSST 4; NDST-4; N-Deacetylase/N-Sulfotransferase 4; EC 2.8.2.8; N-HSST; NHSST4; HSST4

### Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 <sup>6</sup> cells
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

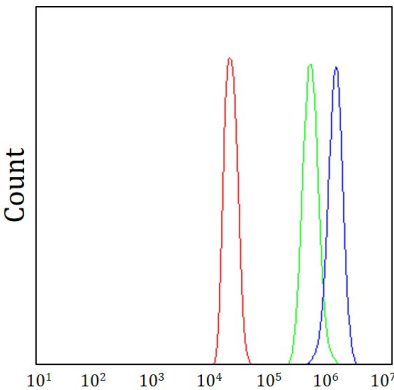
### Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

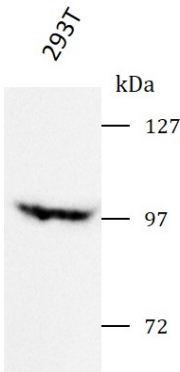
Gene Symbol	NDST4
Gene Full Name	N-Deacetylase And N-Sulfotransferase 4
Background	Predicted to enable [heparan sulfate]-glucosamine N-sulfotransferase activity and deacetylase activity. Predicted to be involved in heparan sulfate proteoglycan biosynthetic process, polysaccharide chain biosynthetic process. Predicted to be located in Golgi membrane. Predicted to be integral component of membrane. Predicted to be active in Golgi apparatus.
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.
Calculated Mw	101 kDa
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Golgi apparatus, Membrane

Images



ARG43934 anti-NDST4 antibody FACS image

Flow Cytometry: 293T cells stained with ARG43934 anti-NDST4 antibody (blue) at 1 µg/1x10<sup>6</sup> cells dilution.



ARG43934 anti-NDST4 antibody WB image

Western blot: 293T stained with ARG43934 anti-NDST4 antibody at 0.5 µg/mL dilution.