



Anti-NDST1 (aa 38-136) polyclonal antibody (DPAB-DC1628)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	NDST1 (N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1) is a protein-coding gene. Diseases associated with NDST1 include treacher collins syndrome, and goldenhar syndrome, and among its related super-pathways are Glycosaminoglycan biosynthesis - heparan sulfate / heparin and Metabolic pathways. GO annotations related to this gene include [heparan sulfate]-glucosamine N-sulfotransferase activity and deacetylase activity. An important paralog of this gene is HS3ST2.
Immunogen	NDST1 (NP_001534, 38 a.a. ~ 136 a.a) partial recombinant protein with GST tag. The sequence is LYGWKRGLEPSADAEPEPDCGDPVAPSRLPLKPVQAATPSRTDPLVLVFVESLYSQLG QEVVAILESSRFKYRTEIAPGKGDMPTLTDKGRGRFALI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NDST1 N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1 [Homo sapiens (human)]
Official Symbol	NDST1
Synonyms	NDST1; N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1; HSST; NST1; bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1; NDST-1; HSNST 1; N-HSST 1; N-heparan sulfate sulfotransferase 1; glucosaminyl N-deacetylase/N-sulfotransferase 1; heparan sulfate-N-deacetylase/N-sulfotransferase; [Heparan sulfate]-glucosamine N-sulfotransferase 1;
Entrez Gene ID	3340
Protein Refseq	NP_001534
UniProt ID	B7Z1Q0
Chromosome Location	5q33.1
Pathway	Disease; Glycosaminoglycan biosynthesis - heparan sulfate / heparin; Glycosaminoglycan metabolism; Heparan sulfate/heparin (HS-GAG) metabolism.
Function	[heparan sulfate]-glucosamine N-sulfotransferase activity; deacetylase activity;