

Datasheet for ABIN2783875
anti-NDST4 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	NDST4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Cow, Horse, Rabbit, Rat, Dog, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDST4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NDST4
Sequence:	EDWTIFQYNH STYQPVLLTE LQTEKSLSSL SSKTLFATVI QDLGLHDGIQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 90%
Characteristics:	This is a rabbit polyclonal antibody against NDST4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NDST4
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Target Details

Alternative Name:	NDST4 (NDST4 Products)
Background:	<p>NDST4 is an essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. It modifies the GlcNAc-GlcA dissacharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis. NDST4 has low deacetylase activity but high sulfotransferase activity.</p> <p>Alias Symbols: NDST-4, NHSST4</p> <p>Protein Size: 872</p>
Molecular Weight:	101 kDa
Gene ID:	64579
NCBI Accession:	NM_022569 , NP_072091
UniProt:	Q9H3R1
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

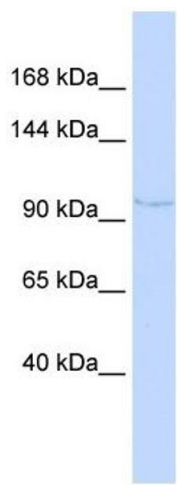
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 872 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NDST4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate NDST4 is supported by BioGPS gene expression data to be expressed in HepG2