

Datasheet for ABIN7601571
anti-NDST4 antibody (AA 39-260)



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Overview

Quantity:	100 µg
Target:	NDST4
Binding Specificity:	AA 39-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDST4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDST4 Antibody Picoband®
Immunogen:	E.coli-derived human NDST4 recombinant protein (Position: Q39-L260).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDST4 Antibody Picoband® (ABIN7601571). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NDST4
Alternative Name:	NDST4 (NDST4 Products)
Background:	Synonyms: Protein eva-1 homolog A, Protein FAM176A, Transmembrane protein 166, EVA1A, FAM176A, TMEM166, SP24 Tissue Specificity: Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle. 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).
Molecular Weight:	101 kDa
Gene ID:	64579
UniProt:	Q9H3R1
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Aikawa, J., Grobe, K., Tsujimoto, M., Esko, J. D. Multiple isozymes of heparan sulfate/heparin GlcNAc N-deacetylase/GlcN N-sulfotransferase: structure and activity of the fourth member, NDST4. J. Biol. Chem. 276: 5876-5882, 2001.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C

Handling

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.