

NDST3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NDST3.

Catalog # AT2997a

Product Information

Application	WB, E
Primary Accession	O95803
Other Accession	NM_004784
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5B9
Calculated MW	100902

Additional Information

Gene ID	9348
Other Names	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3, Glucosaminyl N-deacetylase/N-sulfotransferase 3, NDST-3, hNDST-3, N-heparan sulfate sulfotransferase 3, N-HSST 3, Heparan sulfate N-deacetylase 3, 3---, Heparan sulfate N-sulfotransferase 3, 282-, NDST3, HSST3
Target/Specificity	NDST3 (NP_004775, 162 a.a. ~ 259 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NDST3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

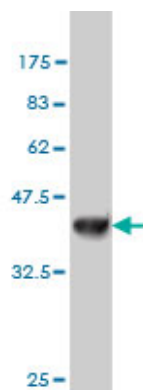
Background

This gene encodes a member of the heparan sulfate/heparin GlcNAc N-deacetylase/ N-sulfotransferase family. The encoded enzyme is a type II transmembrane protein that resides in the Golgi apparatus. This monomeric bifunctional enzyme catalyzes the N-deacetylation and N-sulfation of N-acetylglucosamine residues in heparan sulfate and heparin, which are the initial chemical modifications required for the biosynthesis of the functional oligosaccharide sequences that define the specific ligand binding activities of heparan sulfate and heparin.

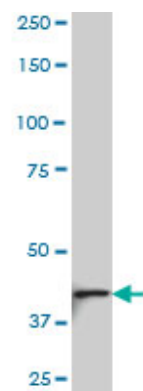
References

Genome-wide searching of rare genetic variants in WTCCC data. Feng T, et al. Hum Genet, 2010 Sep. PMID 20549515. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. A systematic gene-based screen of chr4q22-q32 identifies association of a novel susceptibility gene, DKK2, with the quantitative trait of alcohol dependence symptom counts. Kalsi G, et al. Hum Mol Genet, 2010 Jun 15. PMID 20332099. Glycanogenomics: a qPCR-approach to investigate biological glycan function. Krenn EC, et al. Biochem Biophys Res Commun, 2008 Oct 24. PMID 18692483. Generation and annotation of the DNA sequences of human chromosomes 2 and 4. Hillier LW, et al. Nature, 2005 Apr 7. PMID 15815621.

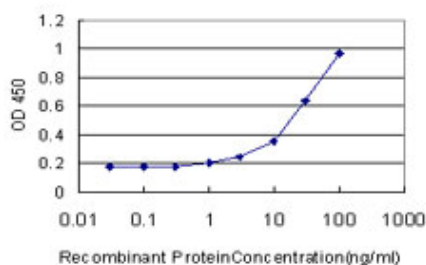
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



NDST3 monoclonal antibody (M01), clone 5B9 Western Blot analysis of NDST3 expression in HeLa S3 NE (Cat # AT2997a)



Detection limit for recombinant GST tagged NDST3 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.