10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDST3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NDST3.
Catalog # AT2997a

Specification

NDST3 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	O95803
Other Accession	NM_004784
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**100902**

NDST3 Antibody (monoclonal) (M01) - 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

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.

NDST3 Antibody (monoclonal) (M01) - Protocols

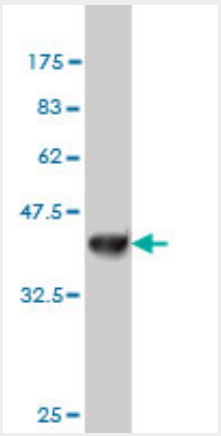
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

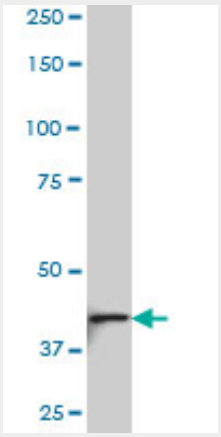
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

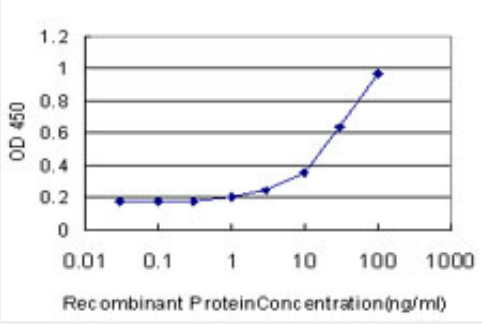
NDST3 Antibody (monoclonal) (M01) - Images



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.

NDST3 Antibody (monoclonal) (M01) - 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.

NDST3 Antibody (monoclonal) (M01) - 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.