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NADSYN1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NADSYN1.
Catalog # AT2969a

Specification

NADSYN1 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	Q6IA69
Other Accession	NM_018161
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**79285**

NADSYN1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 55191

Other Names
Glutamine-dependent NAD(+) synthetase, NAD(+) synthase [glutamine-hydrolyzing], NAD(+) synthetase, NADSYN1

Target/Specificity
NADSYN1 (NP_004981, 609 a.a. ~ 706 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
NADSYN1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

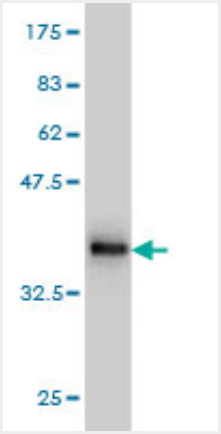
NADSYN1 Antibody (monoclonal) (M01) - Protocols

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

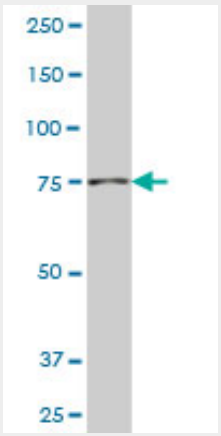
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NADSYN1 Antibody (monoclonal) (M01) - Images



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



NADSYN1 monoclonal antibody (M01), clone 4G9 Western Blot analysis of NADSYN1 expression in Hela S3 NE ((Cat # AT2969a)

NADSYN1 Antibody (monoclonal) (M01) - Background

Nicotinamide adenine dinucleotide (NAD) is a coenzyme in metabolic redox reactions, a precursor for several cell signaling molecules, and a substrate for protein posttranslational modifications. NAD synthetase (EC 6.3.5.1) catalyzes the final step in the biosynthesis of NAD from nicotinic acid adenine dinucleotide (NaAD).

NADSYN1 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Genome-wide association study of circulating vitamin D levels. Ahn J, et al. Hum Mol Genet, 2010 Jul 1. PMID 20418485.Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr.

PMID 20198315.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Assessment of a polymorphism of SDK1 with hypertension in Japanese Individuals. Oguri M, et al. Am J Hypertens, 2010 Jan. PMID 19851296.