

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.

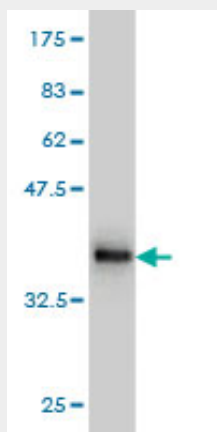
NADSYN1 Antibody (monoclonal) (M01) - Protocols

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

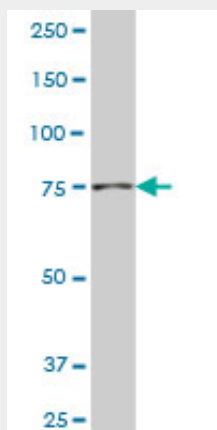
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 Thiazolidinedione-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.