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

NADSYN1 Antibody (monoclonal) (M01)

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

Product Information

Application	WB
Primary Accession	Q6IA69
Other Accession	NM_018161
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4G9
Calculated MW	79285

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.

Background

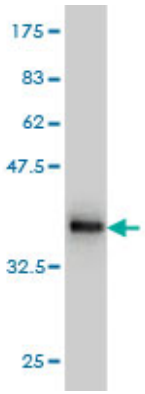
Nicotinamide adenine dinucleotide (NAD) is a coenzyme in metabolic redox reactions, a precursor for several cell signaling molecules, and a substrate for protein posttranslational modifications. NAD synthetase (EC 6.3.5.1) catalyzes the final step in the biosynthesis of NAD from nicotinic acid adenine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

References

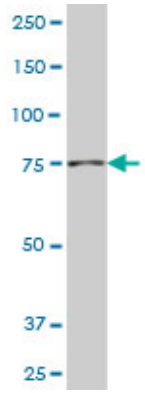
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes

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.

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)