

NMNAT2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant NMNAT2.****Catalog # AT3072a****Specification**

NMNAT2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O9BZQ4
Other Accession	NM_015039
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	34439

NMNAT2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 23057**Other Names**

Nicotinamide mononucleotide adenylyltransferase 2, NMN adenylyltransferase 2, Nicotinate-nucleotide adenylyltransferase 2, NaMN adenylyltransferase 2, NMNAT2, C1orf15, KIAA0479

Target/Specificity

NMNAT2 (NP_055854, 208 a.a. ~ 307 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

NMNAT2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

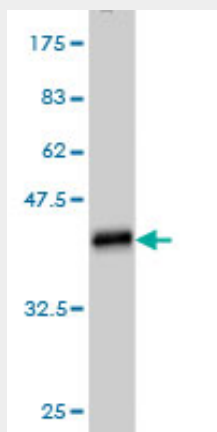
NMNAT2 Antibody (monoclonal) (M01) - Protocols

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

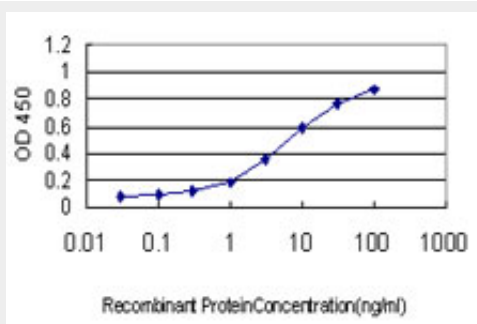
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NMNAT2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Detection limit for recombinant GST tagged NMNAT2 is approximately 0.3ng/ml as a capture antibody.

NMNAT2 Antibody (monoclonal) (M01) - Background

This gene product belongs to the nicotinamide mononucleotide adenylyltransferase (NMNAT) enzyme family, members of which catalyze an essential step in NAD (NADP) biosynthetic pathway. Unlike the other human family member, which is localized to the nucleus, and is ubiquitously expressed; this enzyme is cytoplasmic, and is predominantly expressed in the brain. Two transcript variants encoding different isoforms have been found for this gene.

NMNAT2 Antibody (monoclonal) (M01) - References

Isoform-specific targeting and interaction domains in human nicotinamide mononucleotide adenylyltransferases. Lau C, et al. J Biol Chem, 2010 Jun 11. PMID 20388704. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Initial-rate kinetics of human NMN-adenylyltransferases: substrate and metal ion specificity, inhibition by products and multisubstrate analogues, and isozyme contributions to NAD⁺ biosynthesis. Sorci L, et al.

Biochemistry, 2007 Apr 24. PMID 17402747. The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414. Subcellular compartmentation and differential catalytic properties of the three human nicotinamide mononucleotide adenylyltransferase isoforms. Berger F, et al. J Biol Chem, 2005 Oct 28. PMID 16118205.