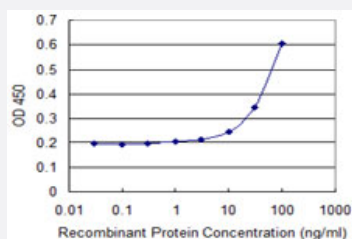


NMNAT2 monoclonal antibody (M04), clone 2G8

Catalog # H00023057-M04

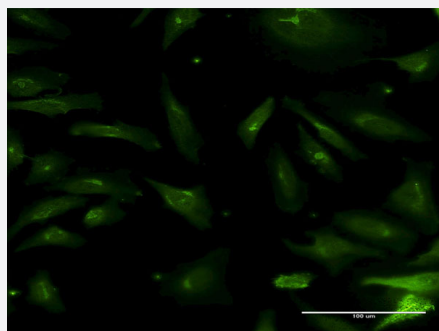
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NMNAT2 is 3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to NMNAT2 on HeLa cell .
[antibody concentration 10 ug/ml]

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant NMNAT2.

Immunogen

NMNAT2 (AAH20998, 1 a.a. ~ 302 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MEIQELEEEIQACQGLWEVFVTLSEARADYLHKTGRFVIGGVSPVHDSYGKQGLVSSRHRLIMCQL
AVQNSDWIRVDPWECYQDTWQTTCVLEHHRDLMKRVTCILSNVNTPSMTPVIGQPQNETPQPI
YQNSNVATKPTAAKILGKVGESLSRICCVRPPVERFTFVDENANLGTVMRYEEIELRILLGSDLL
ESFCIPGLWNEADMEVVGDFGMVVPDAADTDRIMNHSSILRKYKNIMVVKDDINHPMSVVSST
KSRLALQHGDGHVVDYLSQPVIDYILKSQLYINASG

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NMNAT2 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to NMNAT2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — NMNAT2

Entrez GeneID	23057
GeneBank Accession#	BC020998
Protein Accession#	AAH20998
Gene Name	NMNAT2
Gene Alias	C1orf15, KIAA0479, MGC2756, PNAT-2, PNAT2
Gene Description	nicotinamide nucleotide adenyltransferase 2
Omim ID	608701
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000033548|OTTHUMP00000033549|nicotinamide mononucleotide adenylyltransferase 2|pyridine nucleotide adenylyltransferase 2

Publication Reference

- [Down-regulation of EPB41L4A-AS1 mediated the brain aging and neurodegenerative diseases via damaging synthesis of NAD⁺ and ATP.](#)

Tingpeng Yang, Yanzhi Wang, Weijie Liao, Shikuan Zhang, Songmao Wang, Naihan Xu, Weidong Xie, Cheng Luo, Yangyang Wang, Ziqiang Wang, Yaou Zhang.

Cell & Bioscience 2021 Nov; 11(1):192.

Application: WB-Ce, Human, SH-SY5Y, U251 cells

- [Screening with an NMNAT2-MSD platform identifies small molecules that modulate NMNAT2 levels in cortical neurons.](#)

Ali YO, Bradley G, Lu HC.

Scientific Reports 2017 Mar; 7:43846.

Application: WB, Mouse, Mouse DIV14 cortical neurons

Pathway

- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Tobacco Use Disorder](#)