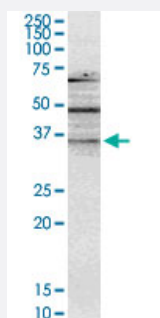


NMNAT2 monoclonal antibody (M02), clone 4E6

Catalog # H00023057-M02

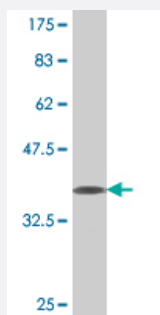
Size 100 ug

Applications



Western Blot (Cell lysate)

NMNAT2 monoclonal antibody (M02), clone 4E6. Western Blot analysis of NMNAT2 expression in MCF-7.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NMNAT2.
Immunogen	NMNAT2 (NP_055854, 208 a.a. ~ 307 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CIPGLWNEADMEVIVGDFGMVVPDAADTDRIMNHSSILRKYKNNIMVVKDDINHPMSVVSSTKS RLALQHGDGHVVDYLSQPVIDYILKSQLYINASG
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

NMNAT2 monoclonal antibody (M02), clone 4E6. Western Blot analysis of NMNAT2 expression in MCF-7.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NMNAT2

Entrez GeneID	23057
GeneBank Accession#	NM_015039
Protein Accession#	NP_055854
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

- [Nmnat2 delays axon degeneration in superior cervical ganglia dependent on its NAD synthesis activity.](#)

Yan T, Feng Y, Zheng J, Ge X, Zhang Y, Wu D, Zhao J, Zhai Q.

Neurochemistry International 2010 Jan; 56(1):101.

Application: WB-Ti, Mouse, Mouse brains

Pathway

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

Disease

- [Tobacco Use Disorder](#)