# NMNA3 mouse mAb

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| **Catalog No** | YP-mAb-11447 |
| **Isotype** | IgG |
| **Reactivity** | Human; Mouse |
| **Applications** | WB |
| **Gene Name** | NMNAT3 FKSG76 |
| **Protein Name** | NMNA3 |
| **Immunogen** | Synthesized peptide derived from human NMNA3 AA range: 97-147 |
| **Specificity** | This antibody detects endogenous levels of NMNA3 at Human/Mouse |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Monoclonal, Mouse,IgG |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-1:2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | |
| **Cell Pathway** | Mitochondrion . |
| **Tissue Specificity** | Expressed in lung and spleen with lower levels in placenta and kidney. |
| **Function** | catalytic activity:ATP + nicotinamide ribonucleotide = diphosphate + NAD(+).,catalytic activity:ATP + nicotinate ribonucleotide = diphosphate + deamido-NAD(+).,cofactor:Divalent metal cations. Magnesium confers the highest activity.,enzyme regulation:Activity is strongly inhibited by galotannin. Inhibited by P1-(adenosine-5')-P4-(nicotinic-acid-riboside-5')-tetraphosphate (Nap4AD).,function:Catalyzes the formation of NAD(+) from nicotinamide mononucleotide (NMN) and ATP. Can also use the deamidated form; nicotinic acid mononucleotide (NaMN) as substrate with the same efficiency. Can use triazofurin monophosphate (TrMP) as substrate. Can also use GTP and ITP as nucleotide donors. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+). For the pyrophosphorolytic activity, can use NAD (+), NADH, NAAD, nicotinic acid adenine dinucleotide phosphate (NHD), nicotina |
| **Background** | This gene encodes a member of the nicotinamide/nicotinic acid mononucleotide adenylyltransferase family. These enzymes use ATP to catalyze the synthesis of nicotinamide adenine dinucleotide or nicotinic acid adenine dinucleotide from |

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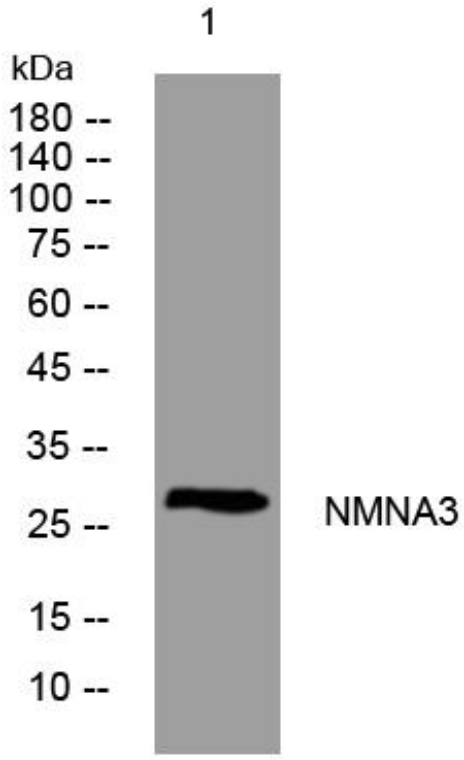
| | nicotinamide mononucleotide or nicotinic acid mononucleotide, respectively. The encoded protein is localized to mitochondria and may also play a neuroprotective role as a molecular chaperone. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images




Western Blot analysis of various cells using NMNA3 mouse mAb