



NMNA3 mouse mAb

Catalog No	YP-mAb-11447
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NMNAT3 FKSG76
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	EC:2.7.7.1;EC:2.7.7.18;FKSG76;NaMN adenylyltransferase 3;Nicotinamide/nicotinic acid;NMNA3;NMNAT3 FKSG76
Observed Band	
Calculated Molecular Weight	28kD
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 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],

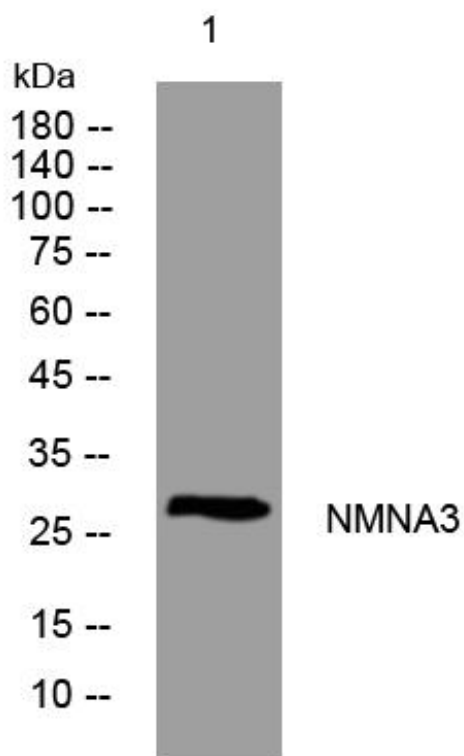
matters needing attention

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