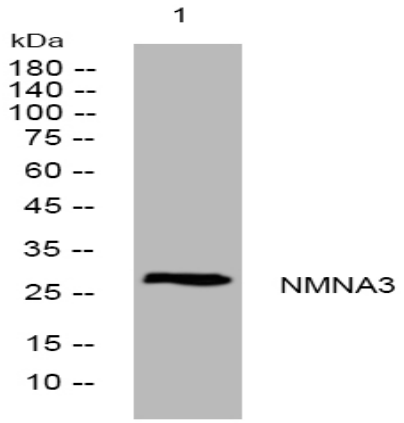
Best Tools for immunology Research

NMNA3 rabbit pAb

Catalog No :	YT6812
Reactivity :	Human;Mouse
Applications :	WB
Target :	NMNA3
Fields :	>>Nicotinate and nicotinamide metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors
Gene Name :	NMNAT3 FKSG76
Protein Name :	NMNA3
Human Gene Id :	349565
Human Swiss Prot No :	Q96T66
Mouse Gene Id :	74080
Mouse Swiss Prot No :	Q99JR6
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1?500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	28kD
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],
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
Subcellular Location :	Mitochondrion .
Expression :	Expressed in lung and spleen with lower levels in placenta and kidney.
Sort :	10907
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4°over night