

NMNAT1 Antibody (C-Term)

Catalog_no :	AB3542
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN
Specificity :	This NMNAT1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 171-201 amino acids from human NMNAT1.
Dilution :	WB,1:1000;WB,1:2000;
Other_name :	Nicotinamide mononucleotide adenylyltransferase 1, NMN adenylyltransferase 1, 2.7.7.1, Nicotinate-nucleotide adenylyltransferase 1, NaMN adenylyltransferase 1, 2.7.7.18, NMNAT1, NMNAT
Isotype :	Rabbit Ig
Background :	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. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+). For the pyrophosphorolytic activity, prefers NAD(+) and NAAD as substrates and degrades NADH, nicotinic acid adenine dinucleotide phosphate (NHD) and nicotinamide guanine dinucleotide (NGD) less effectively. Fails to cleave phosphorylated dinucleotides NADP(+), NADPH and NAADP(+). Protects against axonal degeneration following mechanical or toxic insults.
reference :	Schweiger M.,et al.FEBS Lett. 492:95-100(2001). Emanuelli M.,et al.J. Biol. Chem. 276:406-412(2001). Fernando F.S.,et al.Gene 284:23-29(2002). Ota T.,et al.Nat. Genet. 36:40-45(2004). Gregory S.G.,et al.Nature 441:315-321(2006).