

NMNAT1 Antibody (C-Term)

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| Catalog_no : | AB3543 |
| 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 200-232 amino acids from human NMNAT1. |
| Dilution : | WB,1:2000;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). |