

Rabbit anti-Human NMNAT1 Polyclonal Antibody | anti-NMNAT1 antibody

NMNAT1 Antibody (C-Term)

CATALOG # AAA290639	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
-------------------------------	-----------------------	----------------------------	-------------------------------------

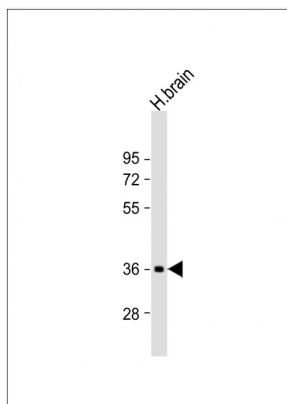
PRODUCT SYNONYMS

NMNAT1; Polyclonal Antibody; NMNAT1 Antibody (C-Term); Purified Rabbit Polyclonal Antibody (Pab); Nicotinamide mononucleotide adenylyltransferase 1; NMN adenylyltransferase 1; 2.7.7.1; Nicotinate-nucleotide adenylyltransferase 1; NaMN adenylyltransferase 1; 2.7.7.18; NMNAT; anti-NMNAT1 antibody

PRODUCT SPECIFICATIONS

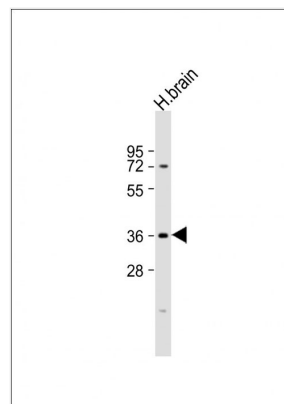
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Sequence Length	279
Applicable Applications for anti-NMNAT1 antibody	WB (Western Blot)
Antigen Type	Synthesized Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-NMNAT1 Antibody (C-Term) at 1:2000 dilution + human brain lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 32 kDaBlocking/Dilution buffer: 5% NFD/MTBST.



WB (Western Blot)

Anti-NMNAT1 Antibody (C-Term) at 1:1000 dilution + human brain lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 32 kDaBlocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-NMNAT1 antibody	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.
Product Categories/Family for anti-NMNAT1 antibody	Metabolism; Neuroscience; Signal Transduction
References	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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071195
NCBI GeneID	64802
NCBI Accession #	NP_001284707.1
NCBI GenBank Nucleotide #	NM_001297778.1
UniProt Accession #	Q9HAN9; Q8TAE9; Q9H247; Q9H6B6; B1AN63
Molecular Weight	31,932 Da
NCBI Official Full Name	nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1 isoform 1
NCBI Official Synonym Full Names	nicotinamide nucleotide adenylyltransferase 1
NCBI Official Symbol	NMNAT1
NCBI Official Synonym Symbols	LCA9; NMNAT; PNAT1
NCBI Protein Information	nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1
UniProt Protein Name	Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1
UniProt Gene Name	NMNAT1
UniProt Synonym Gene Names	NMNAT; NMN/NaMN adenylyltransferase 1; NMN adenylyltransferase 1; NaMN adenylyltransferase 1
UniProt Entry Name	NMNA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.