

NMNAT3 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2746a**Specification**

NMNAT3 Antibody (C-Term) - Product Information

Application	E
Primary Accession	O96T66
Other Accession	NP_835471.1 , 349565
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	28322

NMNAT3 Antibody (C-Term) - Additional Information**Gene ID** 349565**Other Names**

Nicotinamide mononucleotide adenylyltransferase 3, NMN adenylyltransferase 3, Nicotinate-nucleotide adenylyltransferase 3, NaMN adenylyltransferase 3, 2.7.7.18, Pyridine nucleotide adenylyltransferase 3, PNAT-3, 2.7.7.1, NMNAT3

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NMNAT3 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

NMNAT3 Antibody (C-Term) - Protein Information**Name** NMNAT3 ([HGNC:20989](#))**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), nicotinamide guanine dinucleotide (NGD) as substrates. Fails to

cleave phosphorylated dinucleotides NADP(+), NADPH and NaADP(+). Protects against axonal degeneration following injury.

Cellular Location

Mitochondrion

Tissue Location

Expressed in lung and spleen with lower levels in placenta and kidney.

NMNAT3 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NMNAT3 Antibody (C-Term) - Images**NMNAT3 Antibody (C-Term) - References**

Initial-rate kinetics of human NMN-adenylyltransferases: substrate and metal ion specificity, inhibition by products and multisubstrate analogues, and isozyme contributions to NAD⁺ biosynthesis. Sorci L, Cimadamore F, Scotti S, Petrelli R, Cappellacci L, Franchetti P, Orsomando G, Magni G. Biochemistry. 2007 Apr 24;46(16):4912-22. Epub 2007 Apr 3. PMID: 17402747