

**DATASHEET**

**NMNAT-2 Rabbit Polyclonal Antibody**

CAT. NO. APA16303

**KEY FEATURES**

Target	NMNAT-2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Nicotinamide/nicotinate-nucleotide adenylyltransferase that acts as an axon maintenance factor . Axon survival factor required for the maintenance of healthy axons: acts by delaying Wallerian axon degeneration, an evolutionarily conserved process that drives the loss of damaged axons . Catalyzes the formation of NAD(+) from nicotinamide mononucleotide (NMN) and ATP from nicotinamide mononucleotide (NMN) and ATP . Can also use the deamidated form; nicotinic acid mononucleotide (NaMN) as substrate but with a lower efficiency . Cannot use triazofurin monophosphate (TrMP) as substrate . Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+) .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

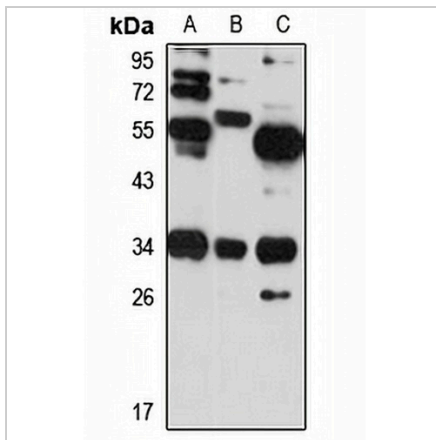
Description	Rabbit polyclonal antibody to NMNAT-2
Specificity	Recognizes endogenous levels of NMNAT-2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human NMNAT-2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 34 kD; Observed: 37 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	C1orf15; KIAA0479; Nicotinamide mononucleotide adenylyltransferase 2; NMN adenylyltransferase 2; Nicotinate-nucleotide adenylyltransferase 2; NaMN adenylyltransferase 2
Gene Symbol	NMNAT2
Entrez Gene	23057(Human); 226518(Mouse); 289095(Rat)
SwissProt	Q9BZQ4(Human); Q8BNJ3(Mouse); Q0HA29(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of NMNAT-2 expression in U87MG (A), mouse pancreas (B), rat brain (C) whole cell lysates. (Predicted band size: 34 kD; Observed band size: 37 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.