

ARG67276 anti-Nmnat1 / NMNAT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Nmnat1 / NMNAT
Tested Reactivity	Hu, Ms
Tested Application	WB
Specificity	This antibody detects endogenous levels of Nmnat1 / NMNAT at Human and Mouse.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nmnat1 / NMNAT
Species	Human
Immunogen	Synthetic peptide of human Nmnat1 / NMNAT.
Conjugation	Un-conjugated
Alternate Names	NMNAT1; Nicotinamide Nucleotide Adenylyltransferase 1; NMNAT; Nicotinamide/Nicotinic Acid Mononucleotide Adenylyltransferase 1; PNAT1; Nicotinate-Nucleotide Adenylyltransferase 1; NMN/NaMN Adenylyltransferase 1; NaMN Adenylyltransferase 1; NMN Adenylyltransferase 1; LCA9; Nicotinamide Mononucleotide Adenylyltransferase 1; Nicotinamide-Nucleotide Adenylyltransferase 1; Nicotinamide Nucleotide Adenylyltransferase; Pyridine Nucleotide Adenylyltransferase 1; Leber'S Congenital Amaurosis 9; Leber Congenital Amaurosis 9; EC 2.7.7.18; EC 2.7.7.1; SHILCA

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	PBS, 0.02% sodium azide, 50% glycerol and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	50% glycerol and 0.5% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	NMNAT1
Gene Full Name	Nicotinamide Nucleotide Adenylyltransferase 1
Background	This gene encodes an enzyme which catalyzes a key step in the biosynthesis of nicotinamide adenine dinucleotide (NAD). The encoded enzyme is one of several nicotinamide nucleotide adenylyltransferases, and is specifically localized to the cell nucleus. Activity of this protein leads to the activation of a nuclear deacetylase that functions in the protection of damaged neurons. Mutations in this gene have been associated with Leber congenital amaurosis 9. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are located on chromosomes 1, 3, 4, 14, and 15. [provided by RefSeq, Jul 2014]
Function	Catalyzes the formation of NAD ⁺ from nicotinamide mononucleotide (NMN) and ATP. [UniProt]
Calculated Mw	32 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Nucleus. [UniProt]