

For Research Use Only

# NMNAT1 Polyclonal antibody

Catalog Number: 28493-1-AP

1 Publications



## Basic Information

Catalog Number:

28493-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29584

GenBank Accession Number:

BC014943

GeneID (NCBI):

64802

UNIPROT ID:

Q9HAN9

Full Name:

nicotinamide nucleotide adenylyltransferase 1

Calculated MW:

33 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : mouse skeletal muscle tissue,

## Background Information

NMNAT1 is a member of the nicotinamide-nucleotide adenylyltransferases (NMNATs) which catalyze nicotinamide adenine dinucleotide (NAD) synthesis (PMID: 28445802). NMNAT is a central enzyme in NAD biosynthesis, catalyzing the formation of NAD<sup>+</sup> from nicotinamide mononucleotide (NMN) and ATP (PMID: 17402747). NMNAT1 is widely expressed with the highest levels in skeletal muscle, heart, and kidney (PMID: 11027696). Mutations in NMNAT1 have been shown associated with the LCA9 form of the retinal degeneration pathology Leber's congenital amaurosis (PMID: 22842229, 22842230).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jingjing Zhang	39843801	Nat Cardiovasc Res	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

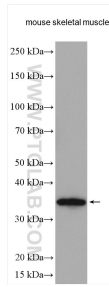
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28493-1-AP (NMNAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.