

For Research Use Only

NMNAT1 Polyclonal antibody

Catalog Number: 28493-1-AP

1 Publications



Basic Information

Catalog Number:

28493-1-AP

Concentration:

600 µg/ml

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⁺ 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

For technical support and original validation data for this product please contact:

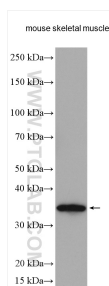
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.