

For Research Use Only

# NMNAT1 Polyclonal antibody

Catalog Number: 28493-1-AP



## Basic Information

<b>Catalog Number:</b> 28493-1-AP	<b>GenBank Accession Number:</b> BC014943	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 64802	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> nicotinamide nucleotide adenylyltransferase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 33 kDa	
<b>Immunogen Catalog Number:</b> AG29584	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse skeletal muscle tissue,
<b>Species Specificity:</b> Human, mouse	

## 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).

## Storage

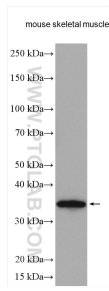
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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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.