

For Research Use Only

# NARS2 Monoclonal antibody, PBS Only

Catalog Number:60487-7-PBS



## Basic Information

<b>Catalog Number:</b> 60487-7-PBS	<b>GenBank Accession Number:</b> BC007800	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79731	<b>CloneNo.:</b> 1G2H12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96159	
<b>Isotype:</b> IgG1	<b>Full Name:</b> asparaginyl-tRNA synthetase 2, mitochondrial (putative)	
<b>Immunogen Catalog Number:</b> AG9326	<b>Calculated MW:</b> 477 aa, 54 kDa	
	<b>Observed MW:</b> 50-54 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

NARS2 (asparaginyl-tRNA synthetase 2, mitochondrial) is a nuclear-encoded enzyme that functions within the mitochondria, the energy-producing organelles of the cell. It belongs to the class II family of aminoacyl-tRNA synthetases (aaRSs), a group of essential enzymes responsible for protein synthesis. Its proper function is indispensable for mitochondrial protein synthesis and energy production, and its deficiency underlies a spectrum of severe human metabolic and neurological diseases.

## Storage

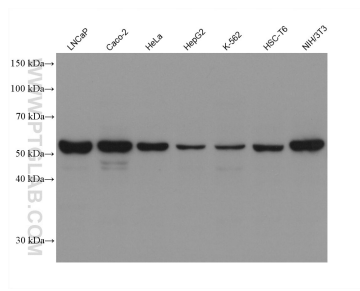
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

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 60487-7-Ig (NARS2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60487-7-PBS in a different storage buffer formulation.