

For Research Use Only

NARS2 Monoclonal antibody

Catalog Number:60487-7-Ig



Basic Information

Catalog Number:

60487-7-Ig

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9326

GenBank Accession Number:

BC007800

GeneID (NCBI):

79731

UNIPROT ID:

Q96159

Full Name:

asparaginyl-tRNA synthetase 2,
mitochondrial (putative)

Calculated MW:

477 aa, 54 kDa

Observed MW:

50-54 kDa

Purification Method:

Protein G purification

CloneNo.:

1G2H12

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : LNCaP cells, Caco-2 cells, HeLa cells, HepG2 cells,
K-562 cells, HSC-T6 cells, NIH/3T3 cells

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

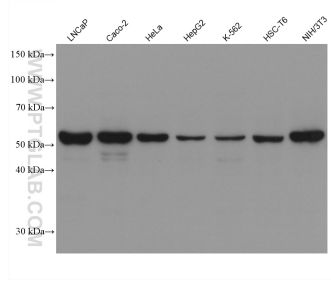
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60487-7-Ig (NARS2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.