

For Research Use Only

RARS2 Polyclonal antibody

Catalog Number: 16079-1-AP



Basic Information

Catalog Number:

16079-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9074

GenBank Accession Number:

BC010420

GeneID (NCBI):

57038

UNIPROT ID:

Q5T160

Full Name:

arginyl-tRNA synthetase 2,
mitochondrial

Calculated MW:

578 aa, 66 kDa

Observed MW:

66-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HL-60 cells, human placenta tissue, mouse
placenta tissue

Background Information

RARS2 encodes the mitochondrial arginyl transfer RNA (tRNA) synthetase, an enzyme which belongs to the group of mitochondrial aminoacyl tRNA synthetases. These nuclear encoded mitochondrial proteins play a key role in mitochondrial protein translation by catalyzing the attachment of amino acids to their cognate tRNA molecules. Variants in RARS2 gene are associated with pontocerebellar hypoplasia type 6 (PCH6; MIM 611523), a rare mitochondrial encephalopathy with phenotype characterized by early onset seizures, profound developmental delay, and progressive pontocerebellar atrophy. (PMID: 27769281, PMID: 33209735)

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:

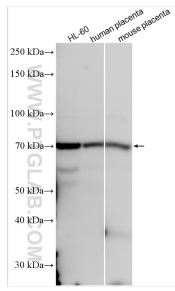
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16079-1-AP (RARS2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.