

For Research Use Only

RARS2 Polyclonal antibody

Catalog Number:16079-1-AP



Basic Information

Catalog Number: 16079-1-AP	GenBank Accession Number: BC010420	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 57038	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q5T160	
Isotype: IgG	Full Name: arginyl-tRNA synthetase 2, mitochondrial	
Immunogen Catalog Number: AG9074	Calculated MW: 578 aa, 66 kDa	
	Observed MW: 66-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse	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

*** 20ul sizes contain 0.1% BSA

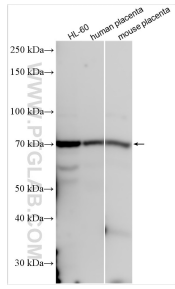
For technical support and original validation data for this product please contact:

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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.