

For Research Use Only

WARS2 Polyclonal antibody

Catalog Number: 13944-1-AP



Basic Information

Catalog Number: 13944-1-AP	GenBank Accession Number: BC044575	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10352	Recommended Dilutions: WB 1:500-1:2400
Source: Rabbit	Full Name: tryptophanyl tRNA synthetase 2, mitochondrial	
Isotype: IgG	Calculated MW: 40 kDa	
Immunogen Catalog Number: AG5024	Observed MW: 60 kDa/55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human liver tissue, mouse brain tissue
Species Specificity: human, mouse, rat	

Background Information

WARS2(tryptophan-tRNA ligase, mitochondrial) is also called mitochondrial TRPRS and belongs to the class-I aminoacyl-tRNA synthetase family. The gene encodes the protein containing 360-amino acid, which has an N-terminal mitochondrial targeting signal that is cleaved after residue 18. WARS2 has characteristics of a class I aminoacyl-tRNA synthetase, including a classical Rossmann fold(PMID:15779907). It has 2 isoforms produced by alternative splicing.

Storage

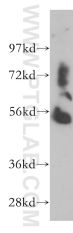
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



human liver tissue were subjected to SDS PAGE followed by western blot with 13944-1-AP (WARS2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.