

For Research Use Only

WARS2 Polyclonal antibody

Catalog Number: 13944-1-AP

1 Publications



Basic Information

Catalog Number:

13944-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5024

GenBank Accession Number:

BC044575

GeneID (NCBI):

10352

UNIPROT ID:

Q9UGM6

Full Name:

tryptophanyl tRNA synthetase 2, mitochondrial

Calculated MW:

40 kDa

Observed MW:

60 kDa/55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human liver tissue, mouse brain tissue

IHC : human stomach tissue,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiu-Qing Li	38636706	Virol Sin	WB

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

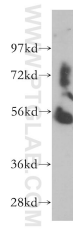
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

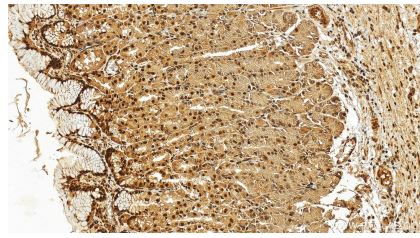
E: proteintech@ptglab.com
W: ptglab.com

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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.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13944-1-AP (WARS2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).