

For Research Use Only

VARS2 Polyclonal antibody, PBS Only

Catalog Number: 15776-1-PBS

Featured Product



Basic Information

Catalog Number:

15776-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8460

GenBank Accession Number:

BC008844

GeneID (NCBI):

57176

UNIPROT ID:

Q5ST30

Full Name:

valyl-tRNA synthetase 2, mitochondrial (putative)

Calculated MW:

119 kDa, 57 kDa

Observed MW:

118 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

Background Information

VARS2 (Valine--tRNA ligase, mitochondrial) is also named as KIAA1885, VARS2L, VARSL and belongs to the class-I aminoacyl-tRNA synthetase family. The deduced 993-amino acid protein has an N-terminal mitochondrial targeting signal with a predicted cleavage site after residue 29. VARS2 has characteristics of a class I mitochondrial aminoacyl-tRNA synthetase, including a classical Rossmann fold.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

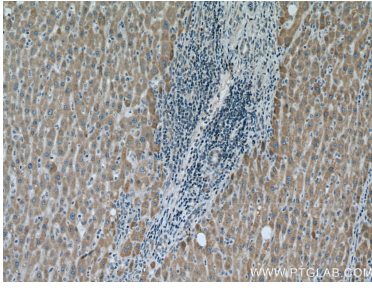
For technical support and original validation data for this product please contact:

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

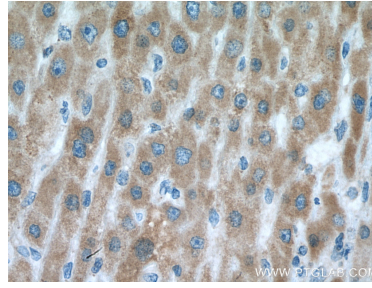
E: proteintech@ptglab.com
W: ptglab.com

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

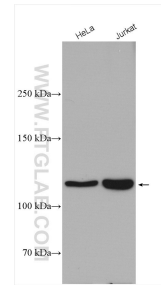
Selected Validation Data



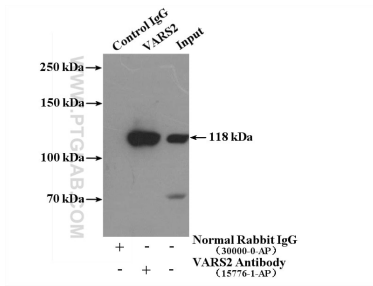
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15776-1-AP (VARS2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15776-1-PBS in a different storage buffer formulation.



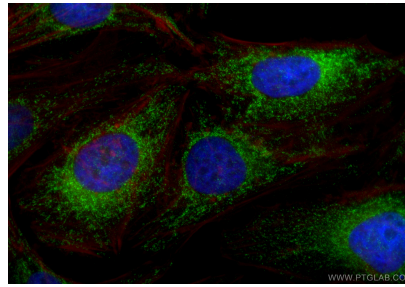
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15776-1-AP (VARS2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15776-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 15776-1-AP (VARS2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15776-1-PBS in a different storage buffer formulation.



IP result of anti-VARS2 (IP:15776-1-AP, 4ug; Detection:15776-1-AP 1:500) with HeLa cells lysate 2400ug. This data was developed using the same antibody clone with 15776-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using VARS2 antibody (15776-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 15776-1-PBS in a different storage buffer formulation.