

For Research Use Only

ATP5F1 Polyclonal antibody, PBS Only

Catalog Number: 15999-1-PBS

Featured Product



Basic Information

Catalog Number:

15999-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8571

GenBank Accession Number:

BC005366

GeneID (NCBI):

515

UNIPROT ID:

P24539

Full Name:

ATP synthase, H⁺ transporting, mitochondrial FO complex, subunit B1

Calculated MW:

256 aa, 29 kDa

Observed MW:

25-30 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

ATP5F1 (ATP synthase subunit b) belongs to the eukaryotic ATPase B chain family. The ATP5F1 gene encodes subunit B of the mitochondrial ATP synthase Fo unit, which contains 214-amino acid with a 42-amino acid import signal (PMID:1831354). Mitochondrial membrane ATP synthase (F1FO ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

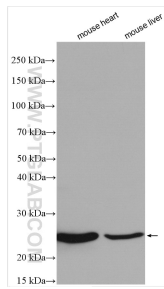
For technical support and original validation data for this product please contact:

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

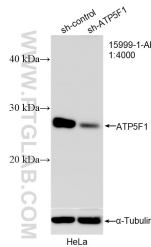
E: proteintech@ptglab.com
W: ptglab.com

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

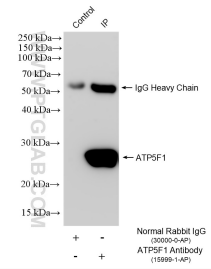
Selected Validation Data



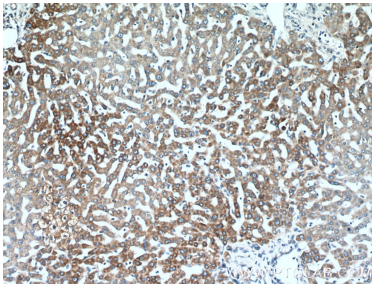
Various lysates were subjected to SDS PAGE followed by western blot with 15999-1-AP (ATP5F1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15999-1-PBS in a different storage buffer formulation.



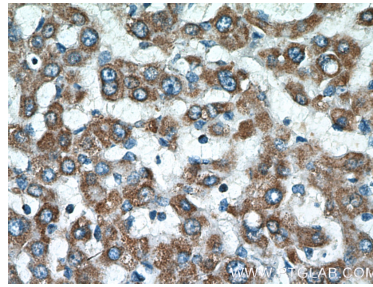
WB result of ATP5F1 antibody (15999-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATP5F1 transfected HeLa cells. This data was developed using the same antibody clone with 15999-1-PBS in a different storage buffer formulation.



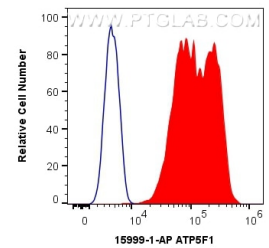
IP result of anti-ATP5F1 (IP:15999-1-AP, 4ug; Detection:15999-1-AP 1:2000) with HEK-293T cells lysate 1600 ug. This data was developed using the same antibody clone with 15999-1-PBS in a different storage buffer formulation.



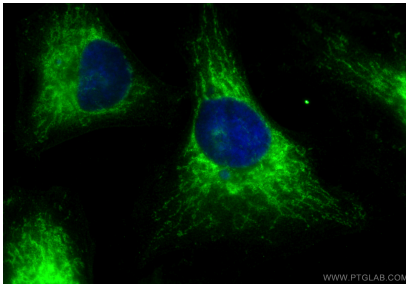
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15999-1-AP (ATP5F1 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 15999-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15999-1-AP (ATP5F1 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 15999-1-PBS in a different storage buffer formulation.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human ATP5F1 (15999-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 15999-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ATP5F1 antibody (15999-1-AP) at dilution of 1:200 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 15999-1-PBS in a different storage buffer formulation.