

For Research Use Only

# CoraLite® Plus 488-conjugated ATP5I Polyclonal antibody



Catalog Number: CL488-16483

## Basic Information

Catalog Number:

CL488-16483

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9605

GenBank Accession Number:

BC003679

GeneID (NCBI):

521

UNIPROT ID:

P56385

Full Name:

ATP synthase, H<sup>+</sup> transporting,  
mitochondrial FO complex, subunit E

Calculated MW:

69 aa, 8 kDa

Observed MW:

8 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HeLa cells,

## Background Information

ATP5I (ATP synthase subunit e) is also named as ATP5K and belongs to the ATPase e subunit family. The ATP5I gene encodes the e subunit of the mitochondrial ATP synthase Fo complex. Mitochondrial membrane ATP synthase (F<sub>1</sub>F<sub>0</sub> 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. Antisense ATP5I in a human HCC cell line inhibited cell growth suggesting that ATP5I acts through the MAP kinase pathway (PMID:11939412).

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

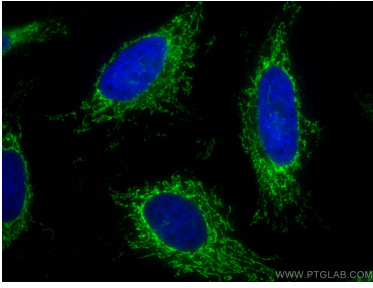
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 ATP5I antibody (CL488-16483) at dilution of 1:200.