

For Research Use Only

ATP5E Polyclonal antibody

Catalog Number: 15408-1-AP



Basic Information

Catalog Number:

15408-1-AP

Size:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7672

GenBank Accession Number:

BC001690

GeneID (NCBI):

514

UNIPROT ID:

P56381

Full Name:

ATP synthase, H⁺ transporting, mitochondrial F1 complex, epsilon subunit

Calculated MW:

6 kDa

Observed MW:

6 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse heart tissue, 37°C incubated mouse heart tissue

IF/ICC : HeLa cells,

Background Information

ATP synthase epsilon subunit (ATP5E) is an important subunit of ATP synthase, which is located in the stalk region of the F1 sector. F1-ATPase is the catalytic portion of mitochondrial ATP synthase, which produces ATP from ADP and inorganic phosphate (Pi). ATP5E is widely expressed in tissues. The calculated molecular weight of ATP5E is 6 kDa (PMID: 36625260).

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

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

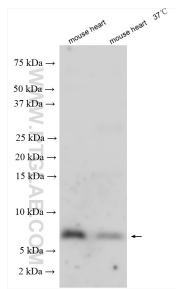
T: 4006900926

E: Proteintech-CN@ptglab.com

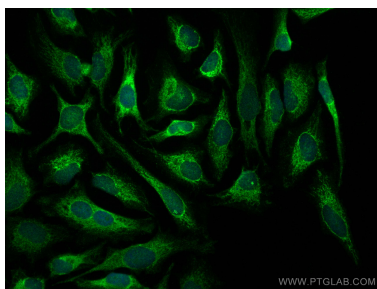
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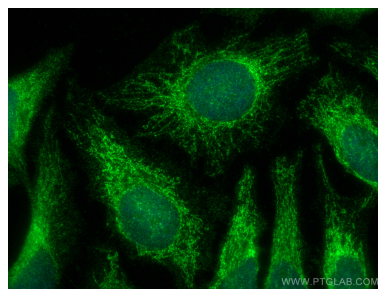
Selected Validation Data



Boiled and 37°C incubated mouse heart tissue were subjected to SDS PAGE followed by western blot with 15408-1-AP (ATP5E antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ATP5E antibody (15408-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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