

ATP5L2 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50818

Specification

ATP5L2 Antibody - Product Information

Application WB, IF
Primary Accession O7Z4Y8
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 11 KDa
Antigen Region 70-99

ATP5L2 Antibody - Additional Information

Gene ID 267020

Other Names

ATP synthase subunit g 2, mitochondrial, ATPase subunit g 2, ATP5L2, ATP5K2

Dilution

WB~~ 1:1000 IF~~1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

ATP5L2 Antibody - Protein Information

Name ATP5MGL (HGNC:13213)

Synonyms ATP5K2, ATP5L2

Function

Mitochondrial membrane ATP synthase (F(1)F(0) 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. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. Minor subunit located with subunit a in the membrane (By similarity).



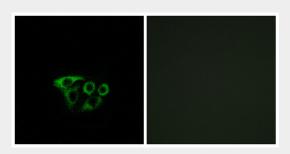
Cellular LocationMitochondrion membrane.

ATP5L2 Antibody - Protocols

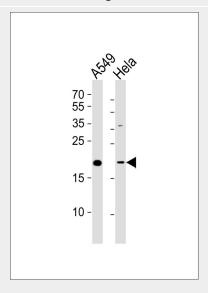
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

ATP5L2 Antibody - Images



Immunofluorescence analysis of A549 cells, using ATP5L2 antibody.



Western blot analysis of lysates from A549,Hela cell line (from left to right),using ATP5L2 Antibody. This antibody was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

ATP5L2 Antibody - Background

Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron





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transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. Minor subunit located with subunit a in the membrane (By similarity).

ATP5L2 Antibody - References

Lin W., et al. Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.