

## ATP5L2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18767A

## **Specification**

## ATP5L2 Antibody (N-term) - Product Information

Application WB,E
Primary Accession O7Z4Y8

Other Accession NP 001159349.1

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Polyclonal
Rabbit IgG
11037
1-30

## ATP5L2 Antibody (N-term) - Additional Information

#### Gene ID 267020

#### **Other Names**

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

#### Target/Specificity

This ATP5L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human ATP5L2.

#### **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

ATP5L2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## ATP5L2 Antibody (N-term) - 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 Location**

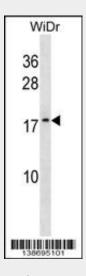
Mitochondrion membrane.

## ATP5L2 Antibody (N-term) - Protocols

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

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

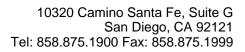
## ATP5L2 Antibody (N-term) - Images



ATP5L2 Antibody (N-term)(Cat. #AP18767a) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the ATP5L2 antibody detected the ATP5L2 protein (arrow).

## ATP5L2 Antibody (N-term) - 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 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 (N-term) - References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :