

## Anti-ATP5B / ATP Synthase Beta Antibody (clone 6C10)

Mouse Anti Human Monoclonal Antibody Catalog # ALS18291

### **Specification**

## Anti-ATP5B / ATP Synthase Beta Antibody (clone 6C10) - Product Information

Application WB, IHC-P Primary Accession P06576

Predicted Human, Rat, Dog

Host Mouse
Clonality Monoclonal
Isotype IgG2b
Calculated MW 56560

# Anti-ATP5B / ATP Synthase Beta Antibody (clone 6C10) - Additional Information

Gene ID 506

Alias Symbol ATP5B

**Other Names** 

ATP5B, ATPMB, ATPSB, Beta-mtATPase, F0F1-ATP synthase beta subunit, ATP synthase beta subunit

Target/Specificity

Human ATP5B

**Reconstitution & Storage** 

Protein A/G purified

#### **Precautions**

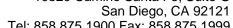
Anti-ATP5B / ATP Synthase Beta Antibody (clone 6C10) is for research use only and not for use in diagnostic or therapeutic procedures.

# Anti-ATP5B / ATP Synthase Beta Antibody (clone 6C10) - Protein Information

Name ATP5F1B (HGNC:830)

#### **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. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.





# **Cellular Location**

Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P00829}; Matrix side {ECO:0000250|UniProtKB:P00829, ECO:0000269|PubMed:25168243}

# Anti-ATP5B / ATP Synthase Beta Antibody (clone 6C10) - 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

Anti-ATP5B / ATP Synthase Beta Antibody (clone 6C10) - Images