ATP5F1 Antibody

PACO43680

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000, IHC:1:20-1:200

Protein Background:

Mitochondrial membrane ATP synthase (F1F0 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, F1 - containing the extramembraneous catalytic core, and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements.

Gene ID:

ATP5F1

Uniprot

P24539

Synonyms:

ATP synthase F(0) complex subunit B1, mitochondrial (ATP synthase proton-transporting mitochondrial F(0) complex subunit B1) (ATP synthase subunit b) (ATPase subunit b), ATP5F1

Immunogen:

Recombinant Human ATP synthase F(0) complex subunit B1, mitochondrial protein (1-245AA).

Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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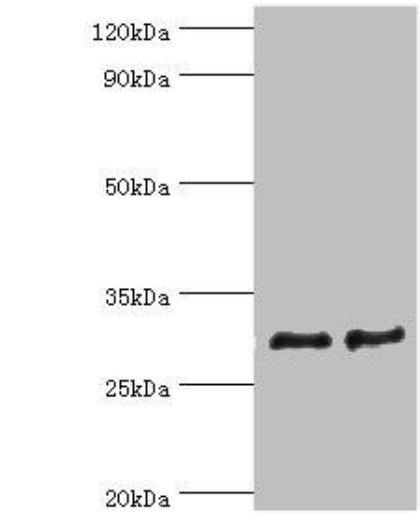
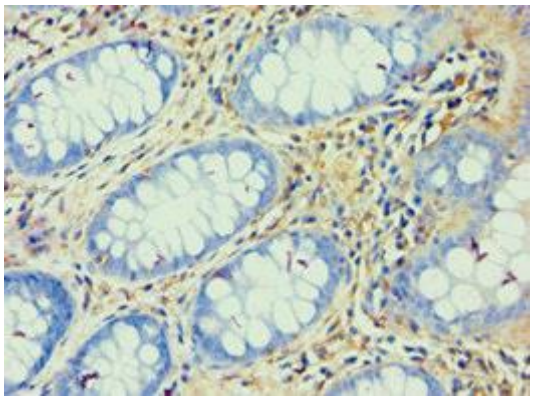
Product Images



Western blot. All lanes: ATP synthase F (0) complex subunit B1, mitochondrial antibody at 4µg/ml. Lane 1: Mouse heart tissue. Lane 2: Mouse skeletal muscle tissue. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 29 kDa. Observed band size: 29 kDa.



Immunohistochemistry of paraffin-embedded human colon cancer using PACO43680 at dilution of 1:100.

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