

PACO51334

Product Information

Size:

50ug

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000,
IHC:1:20-1:200

Protein 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. 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.

Gene ID:

ATP5B

Uniprot

P06576

Synonyms:

ATP synthase subunit beta, mitochondrial (EC 3.6.3.14), ATP5B, ATPMB ATPSB

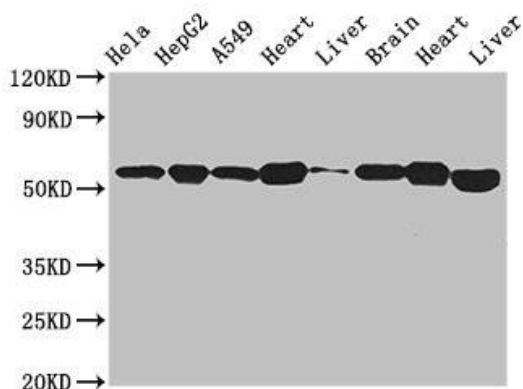
Immunogen:

Recombinant Human ATP synthase subunit beta, mitochondrial protein (230-529AA).

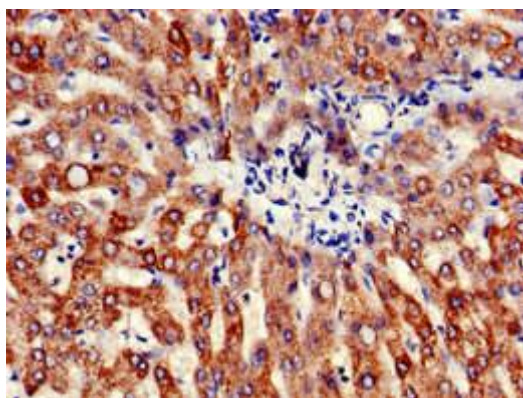
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

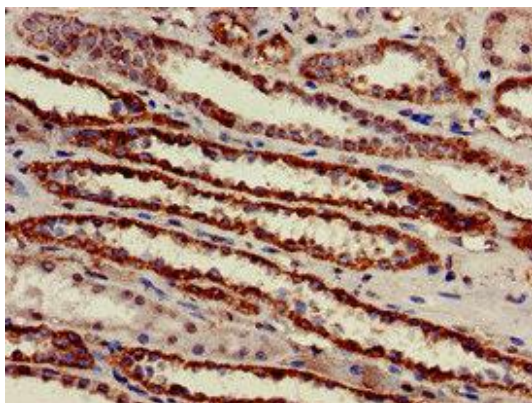
Product Images



Western Blot. Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, Mouse heart tissue, Mouse liver tissue, Mouse brain tissue, Rat heart tissue, Rat liver tissue. All lanes: ATP5B antibody at 2.7 μ g/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 57 kDa. Observed band size: 57 kDa.



Immunohistochemistry of paraffin-embedded human liver tissue using PACO51334 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human kidney tissue using PACO51334 at dilution of 1:100.