

PACO43060

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:200-1:1000,  
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. Subunits alpha and beta form the catalytic core in F1. Rotation of the central stalk against the surrounding alpha<sub>3</sub>beta<sub>3</sub> 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:**

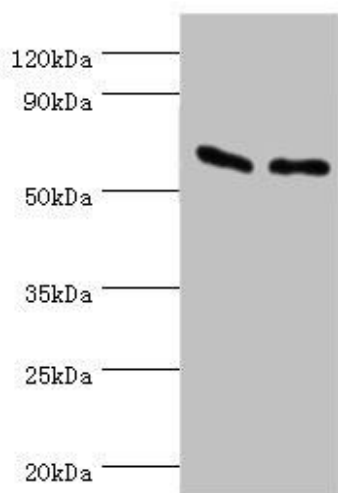
Recombinant Human ATP synthase subunit beta, mitochondrial protein (230-529AA).

**Storage:**

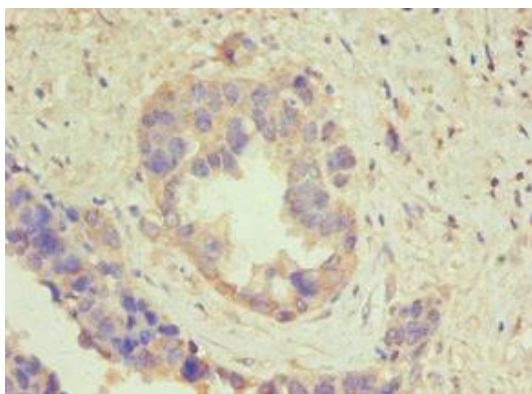
PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

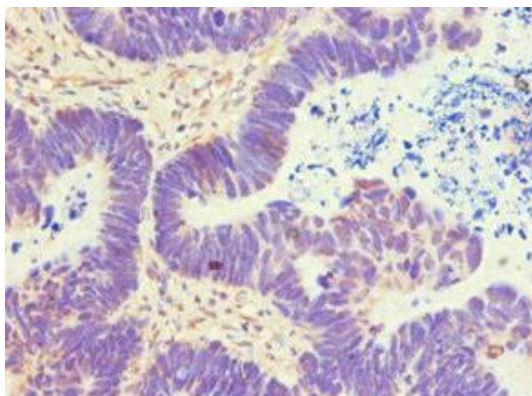
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Western blot. All lanes: ATP synthase subunit beta, mitochondrial antibody at 9 $\mu$ g/ml. Lane 1: HeLa whole cell lysate. Lane 2: HepG2 whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 57 kDa. Observed band size: 57 kDa.



Immunohistochemistry of paraffin-embedded human endometrial cancer using PACO43060 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human ovarian cancer using PACO43060 at dilution of 1:100.