

JC053392

ATPB Antibody



- 50ul
- 100 uL

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Description:

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.

Uniprot : P00829, P06576

Alternative Names:

ATP 5B; ATP synthase H⁺ transporting mitochondrial F1 complex beta polypeptide; ATP synthase subunit beta mitochondrial; ATP synthase subunit beta, mitochondrial; atp5b; ATPB; ATPB_HUMAN; ATPMB; ATPSB; Epididymis secretory protein Li 271; HEL-S-271; Mitochondrial ATP synthase beta subunit; Mitochondrial ATP Synthase Subunit Beta; Mitochondrial ATP synthetase beta subunit;

Reactivity : Cow, Human, Mouse, Rat

Source : Mouse monoclonal

Mol.Wt. : 57kDa

Storage Condition : Store at -20 °C. Stable for 12 months from date of receipt.

Application : WB 1:500-1:2000, IP 1:50-100