Product Data Sheet:
ATP5A1

Cat. No:	MAB-94610
Size:	100 ug
Clone:	15H4C4
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human ATP5A1
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:100 Immunoprecipitation: 1:50 - 1:200
Molecular Weight:	53kDa
Purification:	Aff. Pur.
Synonyms:	ATP5A1; ATP5A; ATP5AL2; ATPM; COXPD22; HEL-S-123m; MC5DN4; MOM2; OMR; ORM; hATP1; ATP synthase subunit alpha, mitochondrial
Background:	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the alpha subunit of the catalytic core. Alternatively spliced transcript variants encoding the different isoforms have been identified. Pseudogenes of this gene are located on chromosomes 9, 2, and 16.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.

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