

Rabbit ATP5A1 Monoclonal Antibody | anti-ATP5A1 antibody

ATP5A1 Conjugated Antibody

CATALOG #	HOST	REACTIVITY
AAA312821	Rabbit	Human, Mouse, Rat

PRODUCT SYNONYMS

ATP5A1; Monoclonal Antibody; ATP5A1 Conjugated Antibody; ATP synthase alpha chain; mitochondrial antibody; ATP synthase subunit alpha antibody; ATP synthase subunit alpha mitochondrial antibody; ATP synthase; H⁺ transporting; mitochondrial F1 complex; alpha subunit 1; cardiac muscle antibody; alpha subunit; 1 antibody; isoform 1; isoform 2; non-cardiac muscle-like 2 antibody; ATP sythase (F1 ATPase) alpha subunit antibody; ATP5A antibody; Atp5a1 antibody; ATP5AL2 antibody; ATPA_HUMAN antibody; ATPM antibody; Epididymis secretory sperm binding protein Li 123m antibody; hATP1 antibody; HEL-S-123m antibody; MC5DN4 antibody; Mitochondrial ATP synthetase antibody; Mitochondrial ATP synthetase oligomycin resistant antibody; Modifier of Min 2 mouse homolog antibody; Modifier of Min 2; mouse; homolog of antibody; MOM2 antibody; OMR antibody; ORM antibody; OTTHUMP00000163475 antibody; anti-ATP5A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Concentration	0.5 mg/ml (varies by lot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF488: 493nm/519nm
Preparation and Storage	Store at 4 degree C in the dark for 6 months.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5A1 antibody	Mitochondrial ATP synthases (ATPases) transduce the energy contained in membrane electrochemical proton gradients into the energy required for synthesis of high-energy phosphate bonds. ATPases contain two linked complexes: F1, the hydrophilic catalytic core; and F0, the membrane-embedded protein channel. F1 consists of three alpha chains and three beta chains, which are weakly homologous, as well as one gamma chain, one delta chain and one e chain. F0 consists of three subunits: a, b and c. The alpha chain of F1 is a regulatory subunit that contains 509 amino acids. Mitochondrial ATPase alpha chain (ATP5A) localizes to the mitochondria and catalyzes ATP synthesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50345982
NCBI GeneID	498
NCBI Accession #	NP_001001935.1
NCBI GenBank Nucleotide #	NM_001001935.2
UniProt Accession #	P25705; Q53XX6; Q8IXV2; Q96FB4; Q96HW2; Q96IR6; Q9BTV8; A8K092

Molecular Weight	50 kDa
NCBI Official Full Name	ATP synthase subunit alpha, mitochondrial isoform c
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
NCBI Official Symbol	ATP5A1
NCBI Official Synonym Symbols	OMR; ORM; ATPM; MOM2; ATP5A; hATP1; MC5DN4; ATP5AL2
NCBI Protein Information	ATP synthase subunit alpha, mitochondrial; ATP sythase (F1-ATPase) alpha subunit; ATP synthase alpha chain, mitochondrial; mitochondrial ATP synthetase, oligomycin-resistant; ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform
UniProt Protein Name	ATP synthase subunit alpha, mitochondrial
UniProt Gene Name	ATP5A1
UniProt Synonym Gene Names	ATP5A; ATP5AL2; ATPM
UniProt Entry Name	ATPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/atp5a1-antibody-elisa/312821>