

Product datasheet for **TA362393**

ATP5MF Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATP5J2
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	10 kDa
Gene Name:	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit F2
Database Link:	NP_001003713.1 Entrez Gene 9551 Human P56134



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Background:

Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The catalytic portion of mitochondrial ATP synthase consists of five different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the f subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has multiple pseudogenes. Naturally occurring read-through transcription also exists between this gene and the downstream pentatricopeptide repeat domain 1 (PTCD1) gene.

Synonyms:

ATP5JL; F1Fo-ATPase; OTTHUMP00000206317

Protein Families:

Transmembrane

Protein Pathways:

Metabolic pathways, Oxidative phosphorylation

Product images:

Host: Rabbit
Target Name: ATP5J2
Sample Type: HCT116 Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: ATP5J2
Sample Tissue: Human HCT116 Whole Cell lysates
Antibody Dilution: 1ug/ml