

## Product datasheet for **TA308281**

### ATP5MC1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB:1:500-1:3000
Reactivity:	Human (Predicted: Sheep, Bovine, Rhesus Monkey, Mouse)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region within amino acids 1 and 82 of ATP5G1 (Uniprot ID#P05496)
Formulation:	1XPBS, 40% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	14 kDa
Gene Name:	ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex subunit C1 (subunit 9)
Database Link:	<a href="#">NP_005166</a> <a href="#">Entrez Gene 11951 Mouse</a> <a href="#">Entrez Gene 516 Human</a> <a href="#">P05496</a>



[View online »](#)

**Background:**

This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing 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, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel. Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq]

**Synonyms:**

ATP5A; ATP5G

**Note:**

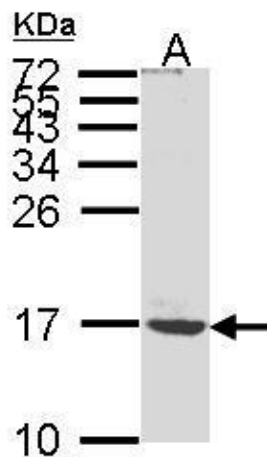
Seq homology of immunogen across species: Mouse (80%), Sheep (86%), Rhesus Monkey (93%), Bovine (85%)

**Protein Families:**

Transmembrane

**Protein Pathways:**

Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

**Product images:**

Sample (30ug whole cell lysate). A: MOLT4. 15% SDS PAGE. TA308281 diluted at 1:1000