

ATP Synthase C Rabbit mAb
Catalog # AP74845**Specification**

ATP Synthase C Rabbit mAb - Product Information

Application	WB, ICC
Primary Accession	P05496
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	14277

ATP Synthase C Rabbit mAb - Additional Information**Gene ID** 516**Other Names**
ATP5MC1**Dilution**
WB~~1/500-1/1000
ICC~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**ATP Synthase C Rabbit mAb - Protein Information****Name** ATP5MC1 ([HGNC:841](#))**Function**

Subunit c, of the mitochondrial membrane ATP synthase complex (F(1)F(0) ATP synthase or Complex V) that 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 (Probable). ATP synthase complex consist of a soluble F(1) head domain - the catalytic core - and a membrane F(1) domain - the membrane proton channel (PubMed:37244256). These two domains are linked by a central stalk rotating inside the F(1) region and a stationary peripheral stalk (PubMed:37244256). 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 (Probable). With the subunit a (MT- ATP6), forms the proton-conducting channel in the F(0) domain, that contains two crucial half-channels (inlet and outlet) that facilitate proton movement from the mitochondrial intermembrane space (IMS) into the matrix (PubMed:37244256). Protons are

taken up via the inlet half- channel and released through the outlet half-channel, following a Grotthuss mechanism (PubMed:37244256).

Cellular Location

Mitochondrion membrane; Multi-pass membrane protein

ATP Synthase C Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ATP Synthase C Rabbit mAb - Images



