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# ATP5G2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5906b

## Product Information

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|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q06055 |
| **Other Accession** | Q9BKS0, Q71S46, P56384, P48201, Q3ZC75, Q06646, P56383, P07926, Q06645, A1XQS5, Q9CR84, P05496, P32876, NP_005167.2, NP_001002031.1 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Pig, Bovine, C.Elegans, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB24246 |
| **Calculated MW** | 14637 |
| **Antigen Region** | 85-114 |

## Additional Information

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|---|---|
| **Gene ID** | 517 |
| **Other Names** | ATP synthase F(0) complex subunit C2, mitochondrial, ATP synthase lipid-binding protein, ATP synthase proteolipid P2, ATP synthase proton-transporting mitochondrial F(0) complex subunit C2, ATPase protein 9, ATPase subunit c, ATP5G2 |
| **Target/Specificity** | This ATP5G2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-114 amino acids from the C-terminal region of human ATP5G2. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | ATP5G2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | ATP5MC2 ( HGNC:842) |

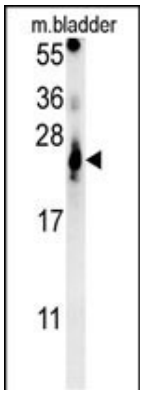
**Function**

Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) 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. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. 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. Part of the complex F(0) domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element.

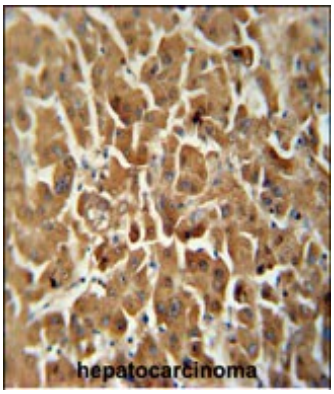
**Cellular Location**

Mitochondrion membrane; Multi-pass membrane protein

## Images




ATP5G2 Antibody (C-term) (Cat. #AP5906b) western blot analysis in mouse bladder tissue lysates (15ug/lane).This demonstrates the ATP5G2 antibody detected ATP5G2 protein (arrow).




ATP5G2 antibody (C-term) (Cat. #AP5906b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP5G2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.