

# ATP Synthase C Monoclonal Antibody | anti-ATP antibody

ATP Synthase C Rabbit mAb

| CATALOG # | HOST               | REACTIVITY        | APPLICATIONS                     |
|-----------|--------------------|-------------------|----------------------------------|
| AAA314262 | Recombinant Rabbit | Human, Mouse, Rat | Immunofluorescence, Western Blot |

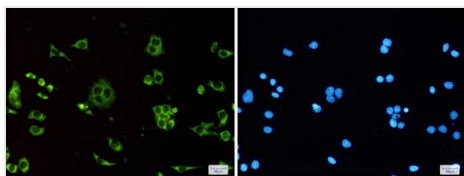
## PRODUCT SYNONYMS

ATP Synthase C; Monoclonal Antibody; ATP Synthase C Rabbit mAb; ATP synthase lipid-binding protein; ATP synthase membrane subunit c locus 1; anti-ATP antibody

## PRODUCT SPECIFICATIONS

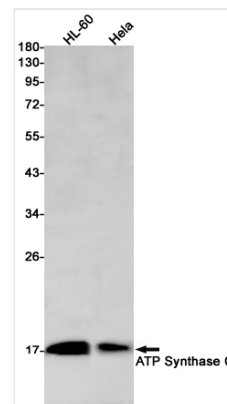
|                                               |                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                          | Recombinant Rabbit                                                                                     |
| Reactivity                                    | Human, Mouse, Rat                                                                                      |
| Clonality                                     | Monoclonal                                                                                             |
| Isotype                                       | Rabbit IgG                                                                                             |
| Clone Number                                  | S02-0D4                                                                                                |
| Purity/Purification                           | Affinity Purified                                                                                      |
| Form/Format                                   | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                  |
| Concentration                                 | 0.3mg/ml (varies by lot)                                                                               |
| Applicable Applications for anti-ATP antibody | IF (Immunofluorescence), WB (Western Blot)                                                             |
| Immunogen                                     | A synthetic peptide of human ATP synthase C                                                            |
| Conjugation                                   | Unconjugated                                                                                           |
| Modification                                  | Unmodification                                                                                         |
| Preparation and Storage                       | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

## IMAGES



### IF (Immunofluorescence)

Immunofluorescence of ATP synthase C (green) in HeLa using ATP synthase C Rabbit mAb at dilution 1/50, and DAPI(blue)



### WB (Western Blot)

Western blot detection of ATP Synthase C in HL-60, HeLa cell lysates using ATP Synthase C Rabbit mAb(1:1000 diluted). Predicted band size:14kDa. Observed band size:14kDa.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ATP antibody | Mitochondrial membrane ATP synthase (F1F0 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, F1 - containing the extramembraneous catalytic core and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element. |
| Product Categories/Family for anti-ATP antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 50659069                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 516                                                                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_001002027                                                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001002027.1                                                                                                                                                                                                                                                  |
| UniProt Accession #              | P05496                                                                                                                                                                                                                                                          |
| Molecular Weight                 | 14,277 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | ATP synthase F(0) complex subunit C1, mitochondrial                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9)                                                                                                                                                                                 |
| NCBI Official Symbol             | ATP5G1                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | ATP5A; ATP5G                                                                                                                                                                                                                                                    |
| NCBI Protein Information         | ATP synthase F(0) complex subunit C1, mitochondrial; ATP synthase F(0) complex subunit C1, mitochondrial; ATP synthase lipid-binding protein, mitochondrial; ATP synthase proteolipid P1; ATP synthase proton-transporting mitochondrial F(0) complex subunit C |
| UniProt Protein Name             | ATP synthase F(0) complex subunit C1, mitochondrial                                                                                                                                                                                                             |
| UniProt Gene Name                | ATP5G1                                                                                                                                                                                                                                                          |
| UniProt Entry Name               | AT5G1_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://stage.aaabiotech.com/monoclonal/atp-synthase-c-antibody-clone-s02-0d4-immunofluorescence-western-blot-elisa/314262>