

## Rabbit anti-Human, Mouse ATP5F1 Polyclonal Antibody | anti-ATP5F1 antibody

Rabbit anti-ATP5F1 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                      |
|-----------|--------|--------------|-----------------------------------|
| AAA213257 | Rabbit | Human, Mouse | Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

ATP5F1; Polyclonal Antibody; Rabbit anti-ATP5F1 Antibody; Affinity Purified; ATP synthase; H<sup>+</sup> transporting; mitochondrial F0 complex; subunit B1; H<sup>+</sup>-ATP synthase subunit b; cell proliferation-inducing protein 47; ATPase subunit b; ATP synthase B chain; mitochondrial; mitochondrial Fo complex subunit B1; PIG47; ATP synthase subunit b; ATP synthase proton-transporting mitochondrial F(0) complex subunit B1; ATP synthase peripheral stalk-membrane subunit b; ATP synthase F(0) complex subunit B1; subunit b; anti-ATP5F1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                    |
| Reactivity                                       | Human, Mouse                                                                              |
| Clonality                                        | Polyclonal                                                                                |
| Purity/Purification                              | Antigen Affinity Purified                                                                 |
| Form/Format                                      | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                    | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-ATP5F1 antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Predicted Reactivity                             | Bovine, Orangutan                                                                         |
| Immunogen                                        | Between 206 and C-terminus                                                                |
| Conjugation                                      | Unconjugated                                                                              |
| Preparation and Storage                          | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human and mouse ATP5F1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ATP5F1 antibody AAA213257 (lot AAA213257-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



#### IP (Immunoprecipitation)

Detection of human ATP5F1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ATP5F1 antibody AAA213257 (lot AAA213257-1) used for IP at 6 ug per reaction. ATP5F1 was also immunoprecipitated by rabbit anti-ATP5F1 antibody For blotting immunoprecipitated ATP5F1, AAA213257 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ATP5F1 antibody | ATP5F1 is the b subunit of the proton channel complex 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, F1, and the membrane-spanning component, Fo, 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) [taken from NCBI Entrez Gene (Gene ID: 515)]. |
| Product Categories/Family for anti-ATP5F1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 21361565                                                           |
| NCBI GeneID                      | 515                                                                |
| NCBI Accession #                 | NP_001679.2                                                        |
| NCBI GenBank Nucleotide #        | NM_001688.4                                                        |
| UniProt Accession #              | P24539; Q9BQ68; Q9BRU8                                             |
| Molecular Weight                 | 28,909 Da                                                          |
| NCBI Official Full Name          | ATP synthase F(0) complex subunit B1, mitochondrial                |
| NCBI Official Synonym Full Names | ATP synthase, H+ transporting, mitochondrial Fo complex subunit B1 |
| NCBI Official Symbol             | ATP5F1                                                             |
| NCBI Official Synonym Symbols    | PIG47                                                              |
| NCBI Protein Information         | ATP synthase F(0) complex subunit B1, mitochondrial                |
| UniProt Protein Name             | ATP synthase F(0) complex subunit B1, mitochondrial                |
| UniProt Gene Name                | ATP5F1                                                             |
| UniProt Synonym Gene Names       | ATPase subunit b                                                   |
| UniProt Entry Name               | AT5F1_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/polyclonal/atp5f1-antibody-immunoprecipitation-western-blot-elisa/213257>