

## Rabbit ATP4B Polyclonal Antibody | anti-ATP4B antibody

Anti-ATP4B Antibody Picoband

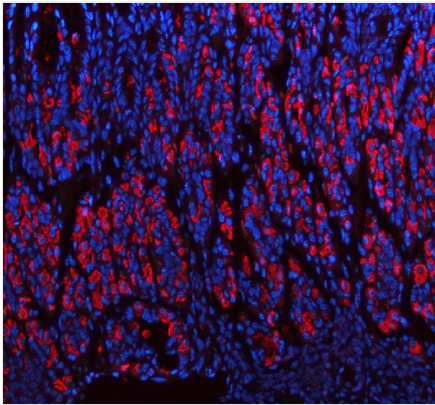
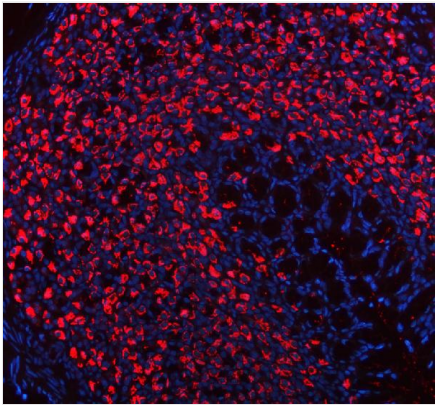
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                                    |
|-----------|--------|-------------------|-------------------------------------------------------------------------------------------------|
| AAA19909  | Rabbit | Human, Mouse, Rat | ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

ATP4B; Polyclonal Antibody; Anti-ATP4B Antibody Picoband; anti-ATP4B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                                            |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                          |
| Form/Format                                     | Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                |
| Applicable Applications for anti-ATP4B antibody | ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                              |
| Application Notes                               | WB: 0.25-0.5ug/ml, Mouse, Rat<br>IHC: 2-5ug/ml, Mouse, Rat<br>IF: 5ug/ml, Mouse, Rat<br>FC/FACS (Fixed): 1-3ug/1x10 <sup>6</sup> cells, Human<br>ELISA: 0.1-0.5ug/ml                                                  |
| Immunogen                                       | E coli-derived human ATP4B recombinant protein (Position: Y60-D277). Human ATP4B shares 82.8% and 80.5% amino acid (aa) sequence identity with mouse and rat ATP4B, respectively.                                     |
| Reconstitution                                  | Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                              |
| Preparation and Storage                         | At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing. |



**IF (Immunofluorescence)**

Figure 8. IF analysis of ATP4B using anti-ATP4B antibody (AAA19909).ATP4B was detected in a paraffin-embedded section of rat stomach tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-ATP4B Antibody (AAA19909) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

**IF (Immunofluorescence)**

Figure 7. IF analysis of ATP4B using anti-ATP4B antibody (AAA19909).ATP4B was detected in a paraffin-embedded section of mouse stomach tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-ATP4B Antibody (AAA19909) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_000696.1</a>                     |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000705.3</a>                     |
| UniProt Accession #              | <a href="#">P51164</a> ; <a href="#">B1B0N8</a> |
| Molecular Weight                 | 33,367 Da                                       |
| NCBI Official Full Name          | potassium-transporting ATPase subunit beta      |
| NCBI Official Synonym Full Names | ATPase H+/K+ transporting beta subunit          |
| NCBI Official Symbol             | ATP4B                                           |
| NCBI Official Synonym Symbols    | ATP6B                                           |
| NCBI Protein Information         | potassium-transporting ATPase subunit beta      |
| UniProt Protein Name             | Potassium-transporting ATPase subunit beta      |
| UniProt Gene Name                | <b>ATP4B</b>                                    |

**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/atp4b-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/19909>