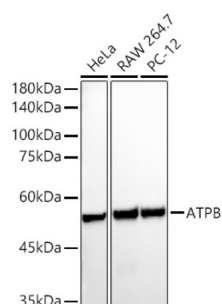
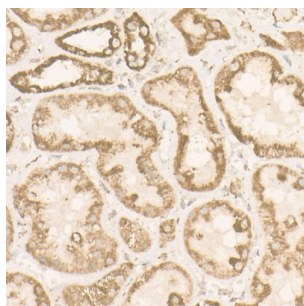


## ATP Synthase Subunit Beta, Mitochondrial (ATP5F1B) Antibody

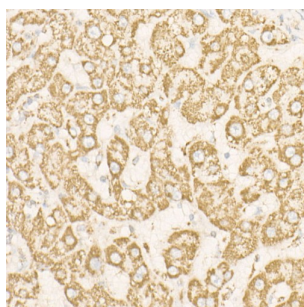
Catalogue No.: abx004417



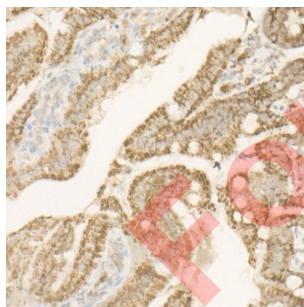
WB analysis of HeLa, RAW 264.7 and PC-12 cell lysates (25 µg/lane) using ATPB Antibody (1/25000 dilution) with [abx005548](#) - Goat anti-Rabbit IgG H+L antibody conjugated to HRP (1/10000 dilution).



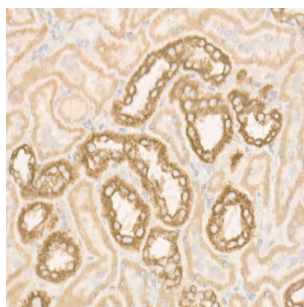
IHC-P analysis of Human kidney tissue using ATPB Antibody (1/300 dilution, 40x lens).



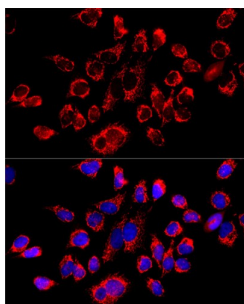
IHC-P analysis of Human liver tissue using ATPB Antibody (1/300 dilution, 40x lens).



IHC-P analysis of Mouse intestine tissue using ATPB Antibody (1/300 dilution, 40x lens).



IHC-P analysis of Rat kidney tissue using ATPB Antibody (1/300 dilution, 40x lens).



IF analysis of HeLa cells using ATPB Antibody (1/50 dilution, 40x lens) with [abx005541](#) - Goat anti-Rabbit IgG H+L antibody conjugated to Cy3 (1/500 dilution). Blue: DAPI was used as a nuclear stain.

ATP5F1B Antibody is a Rabbit Polyclonal antibody against ATP5F1B. This gene encodes a subunit 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, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, 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 consists of three main subunits (a, b, c). This gene encodes the beta subunit of the catalytic core.

|                               |                                                                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target:</b>                | ATP Synthase Subunit Beta, Mitochondrial (ATP5F1B)                                                                                                            |
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                    |
| <b>Reactivity:</b>            | Human, Mouse, Rat                                                                                                                                             |
| <b>Tested Applications:</b>   | ELISA, WB, IHC, IF/ICC                                                                                                                                        |
| <b>Host:</b>                  | Rabbit                                                                                                                                                        |
| <b>Recommended dilutions:</b> | WB: 1/10000 - 1/30000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user. |
| <b>Conjugation:</b>           | Unconjugated                                                                                                                                                  |
| <b>Immunogen:</b>             | Recombinant fusion protein containing a sequence corresponding to amino acids 230-529 of Human ATPB.                                                          |
| <b>Isotype:</b>               | IgG                                                                                                                                                           |
| <b>Form:</b>                  | Liquid                                                                                                                                                        |
| <b>Purification:</b>          | Purified by affinity chromatography.                                                                                                                          |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                                                |
| <b>UniProt Primary AC:</b>    | P06576 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                                   |
| <b>Gene Symbol:</b>           | ATP5F1B                                                                                                                                                       |

# Datasheet

Version: 5.0.0

Revision date: 03 Jul 2025



**GeneID:** [506](#)

**NCBI Accession:** NP\_001677.2

**KEGG:** hsa:506

**String:** [9606.ENSP00000262030](#)

**Molecular Weight:** Calculated MW: 57 kDa  
Observed MW: 52 kDa

**Buffer:** PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

**Concentration:** 0.62 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only