

Anti-ATP5B Recombinant Rabbit Monoclonal Antibody



Catalog #: 4310

Aliases

ATP5F1B; ATP Synthase F1 Subunit Beta; ATP5B; ATPSB; ATP Synthase, H⁺ Transporting, Mitochondrial F1 Complex, Beta Polypeptide; ATP Synthase Subunit Beta, Mitochondrial; ATPMB; Mitochondrial ATP Synthetase, Beta Subunit; Mitochondrial ATP Synthase Beta Subunit; Epididymis Secretory Protein Li 271; EC 3.6.3.14; EC 7.1.2.2; HEL-S-271; EC 3.6.3; HUMOP2

Background

Gene Name: ATP5F1B

NCBI Gene Entry: [506](#)

UniProt Entry: [P06576](#)

Application Information

Molecular Weight: Predicted, 57 kDa; observed, 50 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB10580

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC), immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human ATPB

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

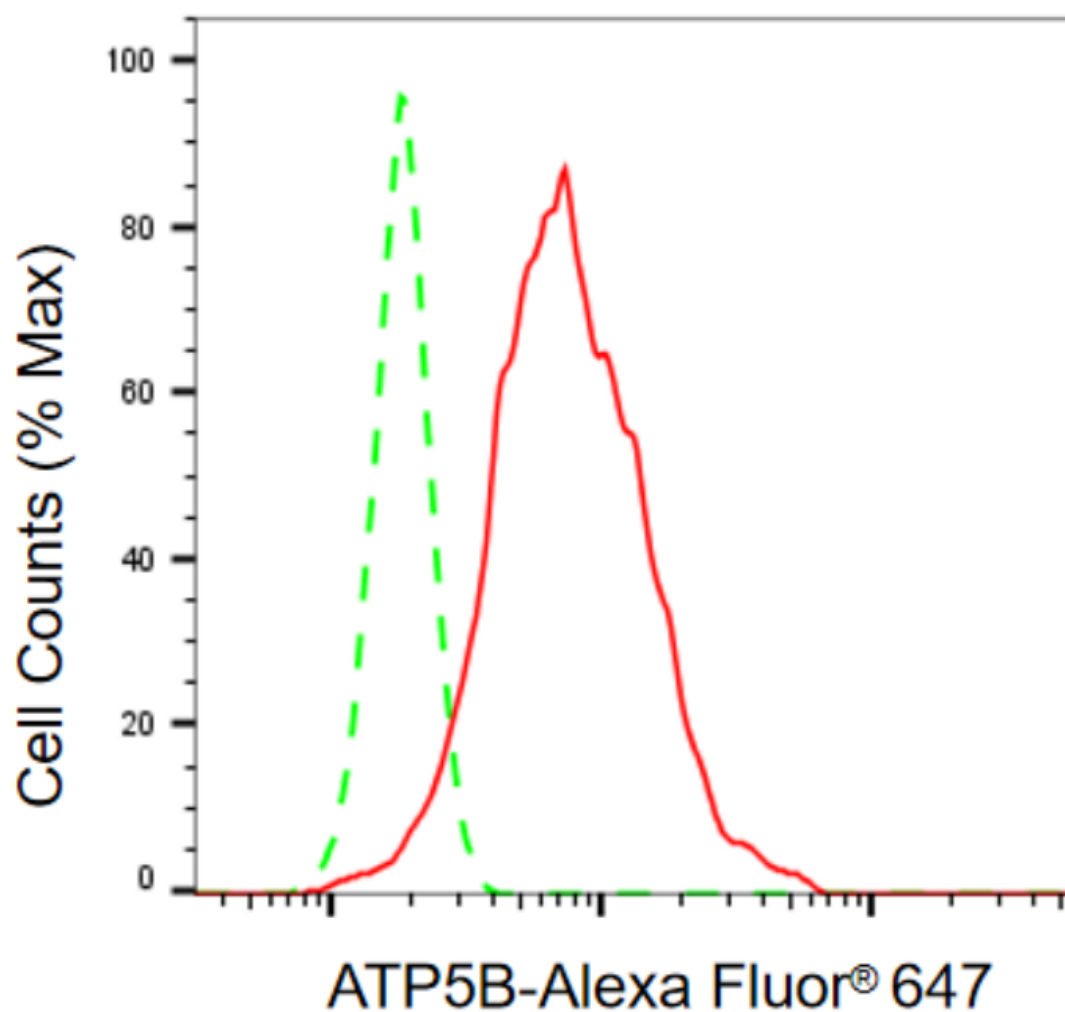
Anti-ATP5B Recombinant Rabbit Monoclonal Antibody

PAGE 2

Immunohistochemistry (IHC): 1:50-1:100

Note: This product is for research use only.

Validation Data



Copyright ©2024 Genuin Biotechnologies LLC

Flow cytometric analysis of ATP5B expression in HepG2 cells using anti-ATP5B antibody (Cat#4310, 1:2,000). Green, isotype control; red, ATP5B.

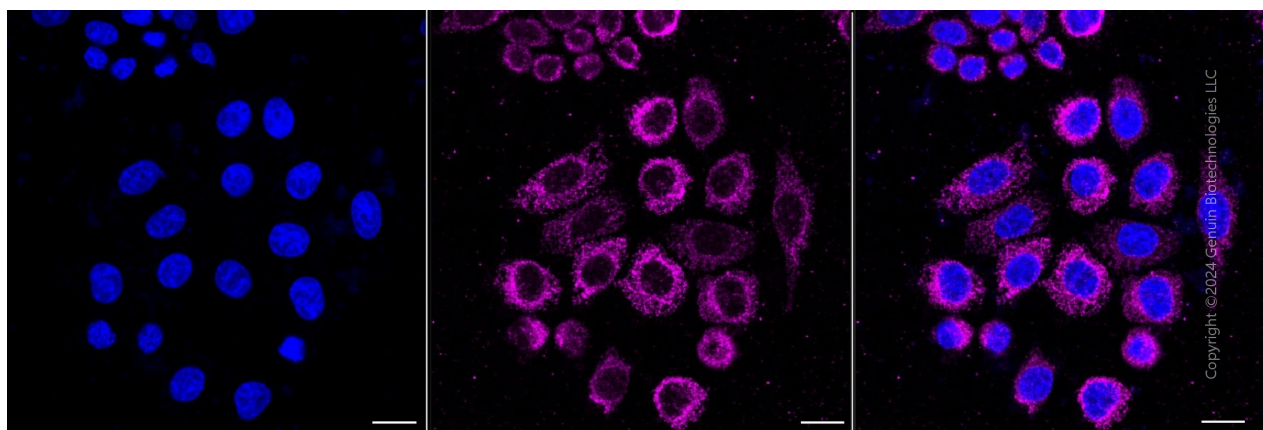
SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

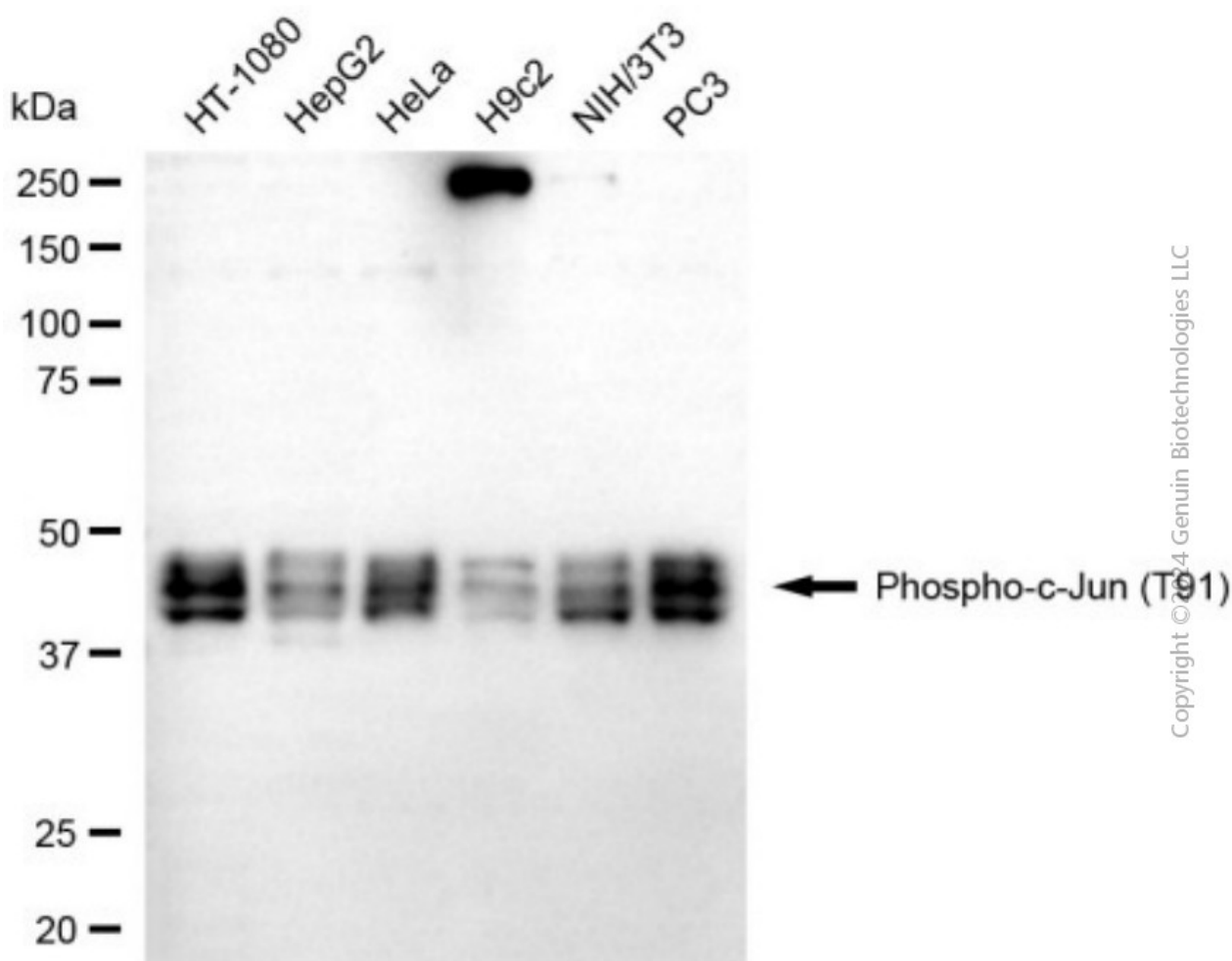
ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM



Immunocytochemical staining of HepG2 cells with anti-ATP5B antibody (Cat#4310, 1:1,000). Nuclei were stained blue with DAPI; ATP5B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-ATP5B antibody (Cat#4310). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

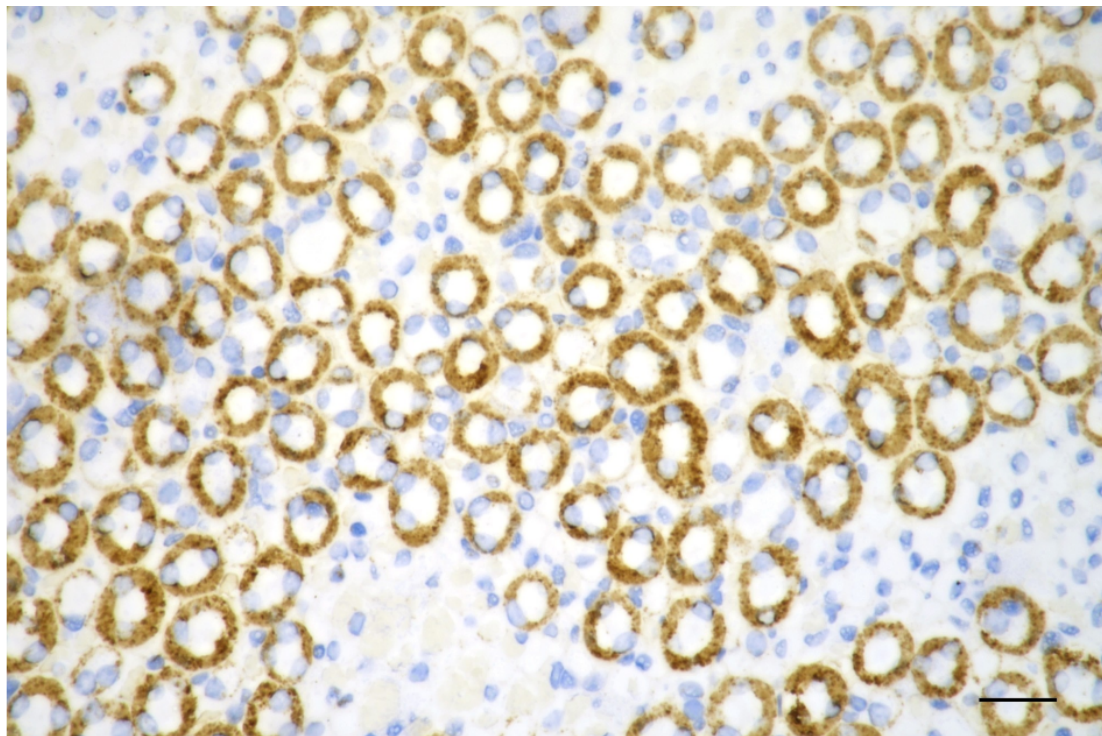
SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

Anti-ATP5B Recombinant Rabbit Monoclonal Antibody

PAGE 4

ATP5B antibody (Cat#4310, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Immunohistochemistry was performed on paraffin-embedded mouse brain using anti-ATP5B antibody (Cat#4310, 1:100). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.

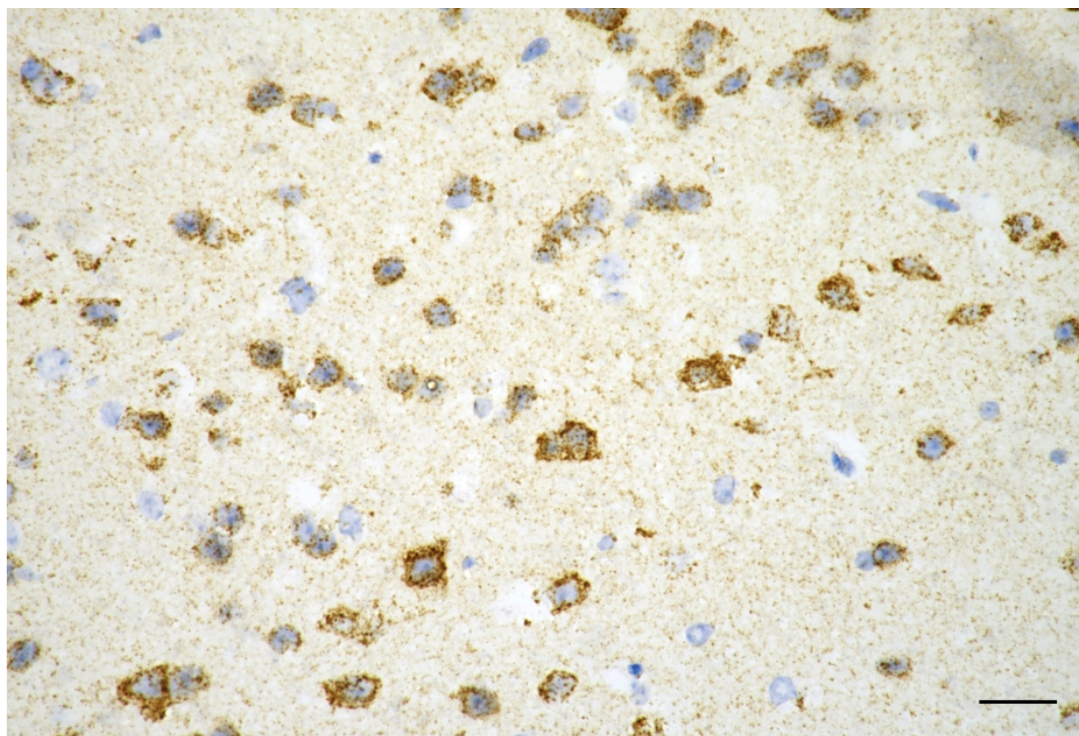
SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

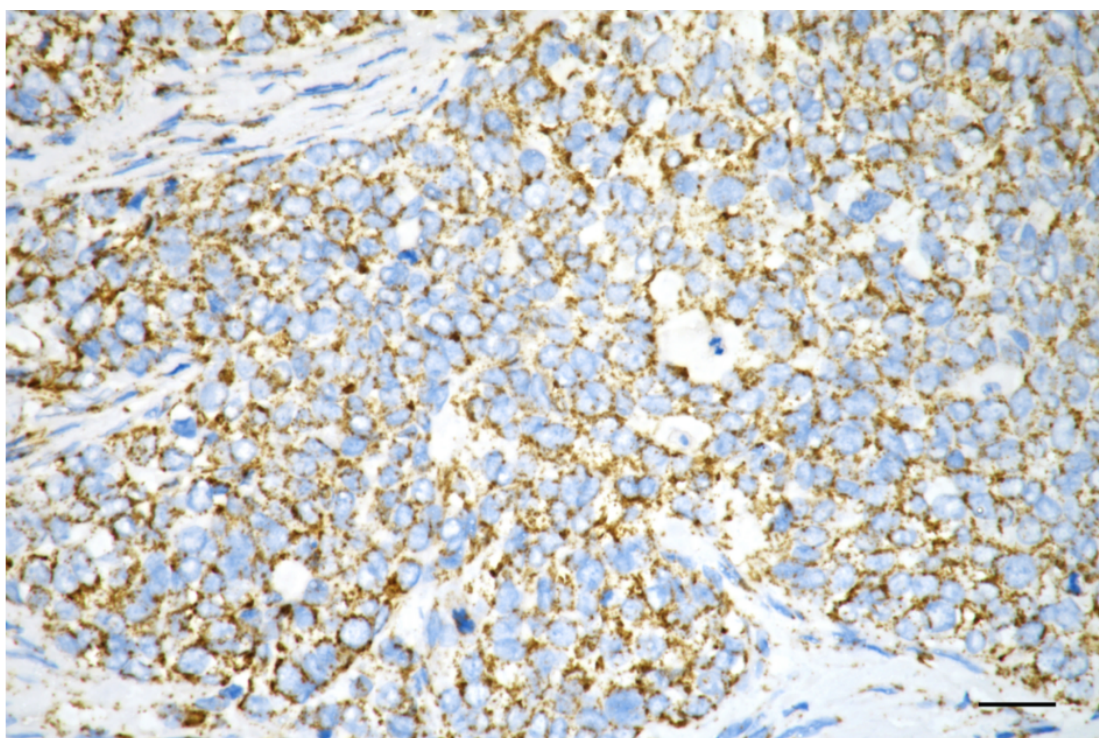
ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM



Immunohistochemistry was performed on paraffin-embedded mouse kidney using anti-ATP5B antibody (Cat#4310, 1:100). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.



Anti-ATP5B Recombinant Rabbit Monoclonal Antibody

PAGE 6

Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using anti-ATP5B antibody (Cat#4310, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM