KD-Validated Anti-ATP5C1 Mouse Monoclonal Antibody

Catalog #: 63811

Aliases

ATP5F1C; ATP Synthase F1 Subunit Gamma; ATP5CL1; ATP5C1; ATP5C; ATP Synthase, H+ Transporting, Mitochondrial F1 Complex, Gamma Polypeptide 1; ATP Synthase Subunit Gamma, Mitochondrial; F-ATPase Gamma Subunit; Mitochondrial ATP Synthase, Gamma Subunit 1; ATP Synthase Gamma Chain, Mitochondrial

Background

Gene Name: ATP5F1C
NCBI Gene Entry: 509
UniProt Entry: P36542

Application Information

Molecular Weight: Predicted, 33 kDa; observed, 33 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 24GB7990
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human ATP5C1

Isotype

Mouse IgG1

Storage Buffer

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

Storage

Store at -20 °C for one year.

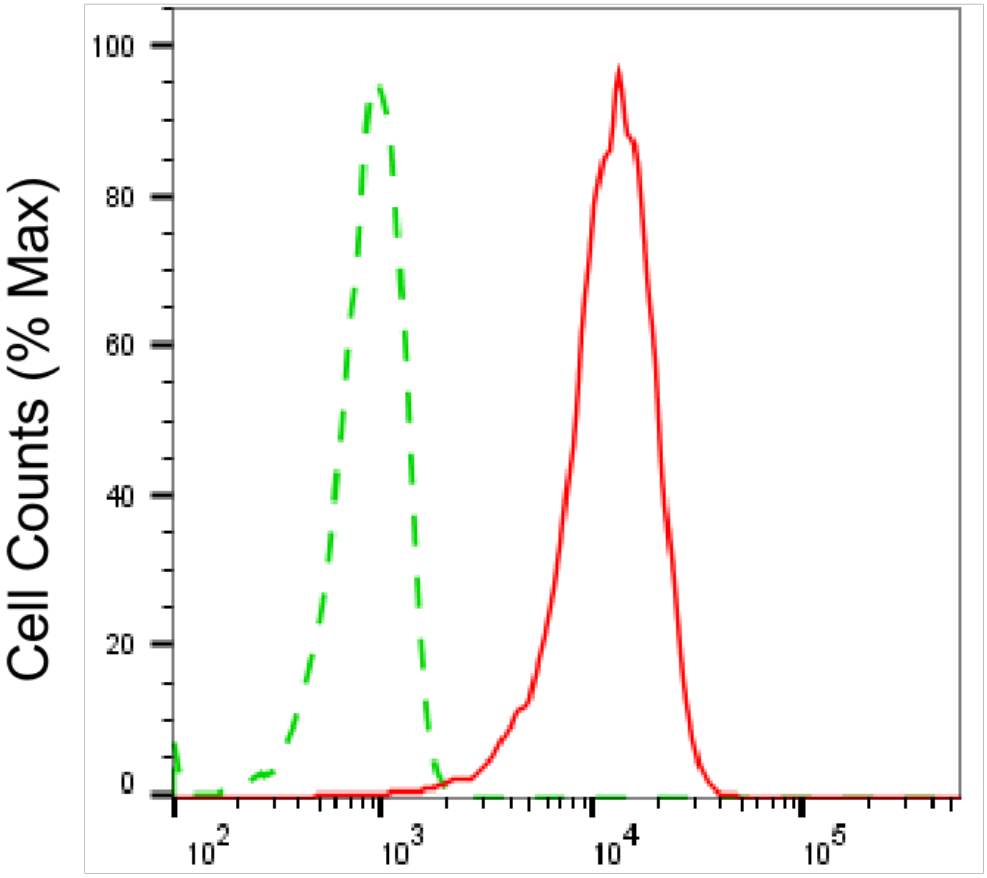
Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:1,000
Immunocytochemistry (IC): 1:100-1:1,000

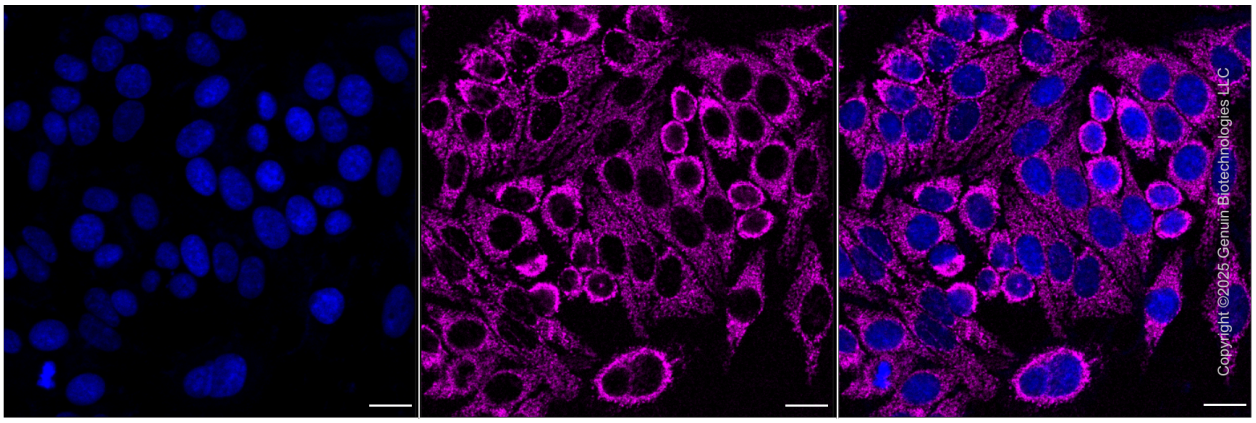
KD-Validated Anti-ATP5C1 Mouse Monoclonal Antibody

Note: This product is for research use only.

Validation Data

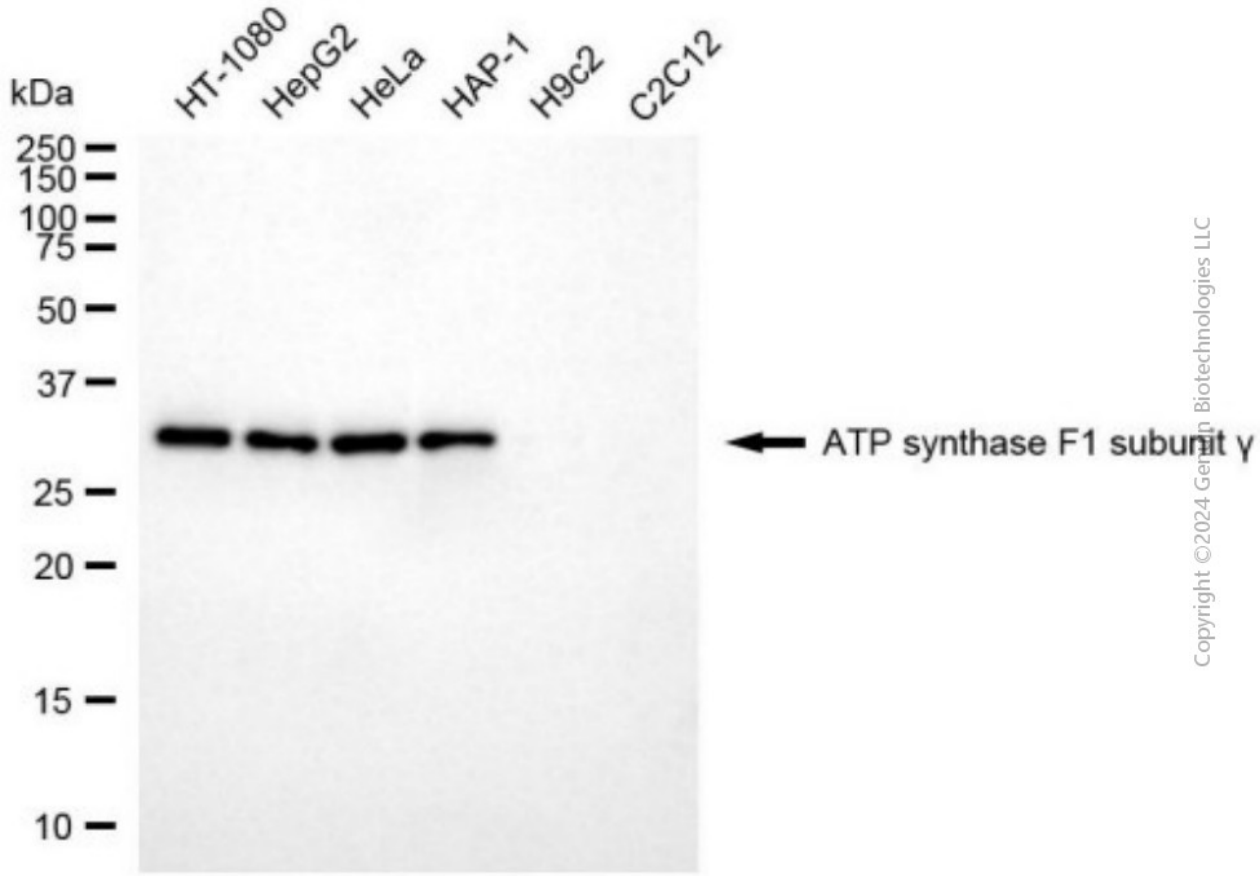


Flow cytometric analysis of ATP synthase F1 subunit gamma expression in HepG2 cells using anti-ATP synthase F1 subunit gamma antibody (Cat#63811, 1:1,000). Green, isotype control; red, ATP synthase F1 subunit gamma.



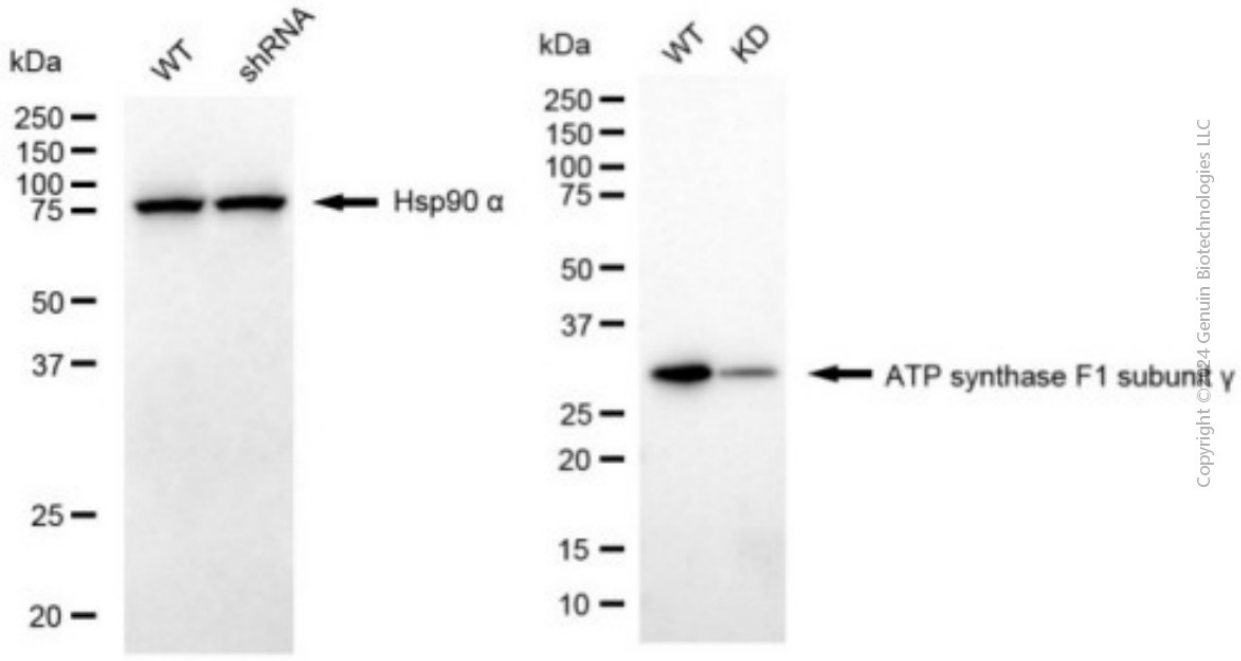
KD-Validated Anti-ATP5C1 Mouse Monoclonal Antibody

Immunocytochemical staining of HepG2 cells with anti-ATP synthase F1 subunit gamma antibody (Cat#63811, 1:500) . Nuclei were stained blue with DAPI; ATP synthase F1 subunit gamma 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-ATP synthase F1 subunit gamma antibody (Cat#63811). Total cell lysates (10 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATP synthase F1 subunit gamma antibody (Cat#63811, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

KD-Validated Anti-ATP5C1 Mouse Monoclonal Antibody



Western blotting analysis using anti-ATP synthase F1 subunit gamma antibody (Cat#63811). ATP synthase F1 subunit gamma expression in wild type (WT) and ATP synthase F1 subunit gamma (ATP5F1C) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ATP synthase F1 subunit gamma antibody (Cat#63811, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).