

KD-Validated Anti-ATP citrate lyase Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2316**Specification**

KD-Validated Anti-ATP citrate lyase Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P53396
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 121 kDa , observed, 121 kDa
Gene Name	ACLY
Aliases	ACLY; ATP Citrate Lyase; ACL; ATPCL; CLATP; ATP-Citrate (Pro-S-)-Lyase; Citrate Cleavage Enzyme; ATP-Citrate Synthase; EC 2.3.3.8; ATP Citrate Synthase
Immunogen	A synthesized peptide derived from human ATP citrate lyase

KD-Validated Anti-ATP citrate lyase Rabbit Monoclonal Antibody - Additional Information

Gene ID	47
Other Names	
ATP-citrate synthase, 2.3.3.8, ATP-citrate (pro-S-)-lyase, ACL, Citrate cleavage enzyme, ACLY	

KD-Validated Anti-ATP citrate lyase Rabbit Monoclonal Antibody - Protein Information**Name** ACLY**Function**

Catalyzes the cleavage of citrate into oxaloacetate and acetyl-CoA, the latter serving as common substrate in multiple biochemical reactions in protein, carbohydrate and lipid metabolism.

Cellular Location

Cytoplasm, cytosol.

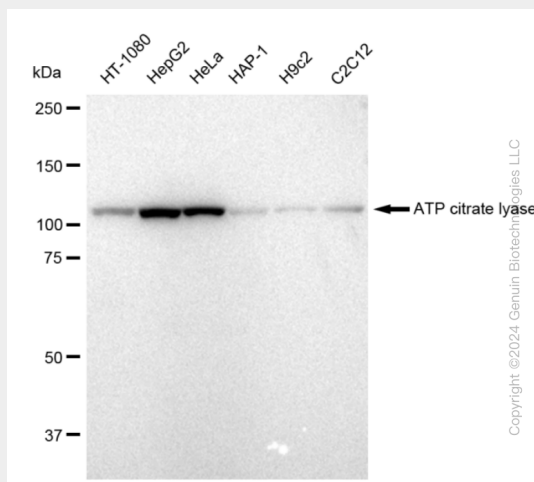
KD-Validated Anti-ATP citrate lyase Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

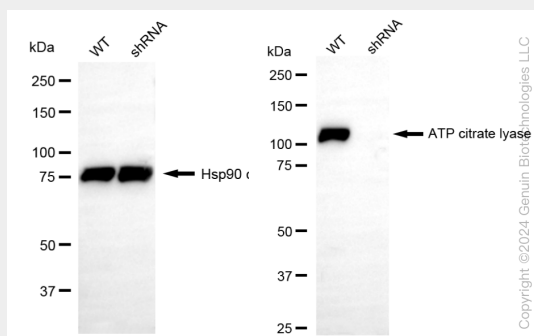
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

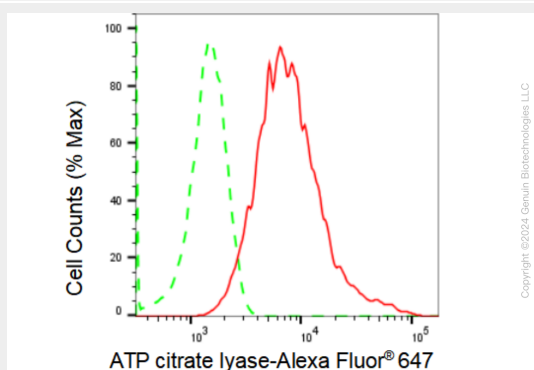
KD-Validated Anti-ATP citrate lyase Rabbit Monoclonal Antibody - Images



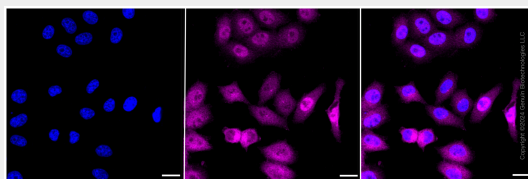
Western blotting analysis using anti-ATP citrate lyase antibody (Cat#AGI2316). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATP citrate lyase antibody (Cat#AGI2316, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ATP citrate lyase antibody (Cat#AGI2316). ATP citrate lyase expression in wild type (WT) and ATP citrate lyase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-ATP citrate lyase antibody (Cat#AGI2316, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ATP citrate lyase expression in HepG2 cells using ATP citrate lyase antibody (Cat#AGI2316, 1:2,000). Green, isotype control; red, ATP citrate lyase.



Immunocytochemical staining of HepG2 cells with ATP citrate lyase antibody (Cat#AGI2316, 1:1,000). Nuclei were stained blue with DAPI; ATP citrate lyase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.