

## **Anti-ACLY Antibody**

Rabbit polyclonal antibody to ACLY Catalog # AP60530

# **Specification**

# **Anti-ACLY Antibody - Product Information**

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality

WB, E, IF/IC, IHC
P53396
Q91V92
Human, Mouse, Rat, Pig, Bovine

Rabbit Polyclonal 120839

# **Anti-ACLY Antibody - Additional Information**

### Gene ID 47

#### **Other Names**

Calculated MW

ATP-citrate synthase; ATP-citrate (pro-S-)-lyase; ACL; Citrate cleavage enzyme

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ACLY. The exact sequence is proprietary.

### Dilution

WB~~E (1/5000 - 1/10000), WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) E~~N/A IF/IC~~1:100~500

## **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C.Stable for 12 months from date of receipt

# **Anti-ACLY 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.

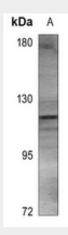


# **Anti-ACLY Antibody - Protocols**

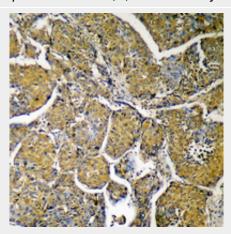
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **Anti-ACLY Antibody - Images**

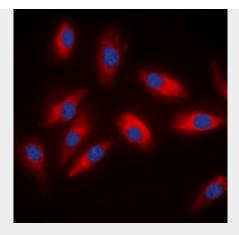


Western blot analysis of ACLY expression in C6 (A) whole cell lysates.



Immunohistochemical analysis of ACLY staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.





Immunofluorescent analysis of ACLY staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4  $^{\circ}$ C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

# **Anti-ACLY Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ACLY. The exact sequence is proprietary.