

## Mouse ATP-Citrate Lyase Monoclonal Antibody | anti-ACLY antibody

ATP-Citrate Lyase (C-term) Mouse mAb

| CATALOG # | HOST  | REACTIVITY           | APPLICATIONS                                                        |
|-----------|-------|----------------------|---------------------------------------------------------------------|
| AAA320321 | Mouse | Human, Mouse, Monkey | Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot |

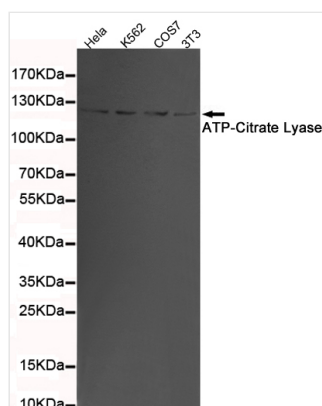
### PRODUCT SYNONYMS

ATP-Citrate Lyase; Monoclonal Antibody; ATP-Citrate Lyase (C-term) Mouse mAb; ACL; Acly; ACLY\_HUMAN; ATP citrate (pro-S) lyase; ATP citrate lyase; ATP citrate synthase; ATP-citrate (pro-S)-lyase; ATP-citrate synthase; ATPcitrate synthase; ATPCL; Citrate cleavage enzyme; CLATP; EC 2.3.3.8; OTTHUMP00000164773.; anti-ACLY antibody

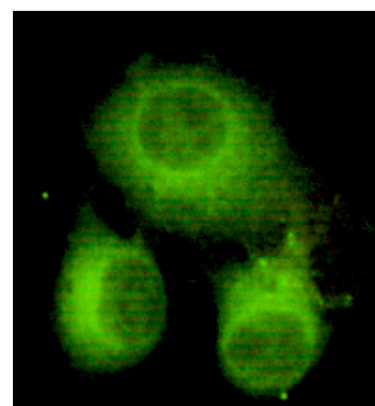
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                    |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                              |
| Reactivity                                     | Human, Mouse, Monkey                                                                                               |
| Clonality                                      | Monoclonal                                                                                                         |
| Specificity                                    | This antibody detects endogenous levels of ATP-Citrate Lyase and does not cross-react with related proteins.       |
| Purity/Purification                            | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                            |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                             |
| Applicable Applications for anti-ACLY antibody | FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)                                            |
| Immunogen                                      | Purified recombinant human ATP-Citrate Lyase protein fragments expressed in E coli.                                |
| Modification                                   | Unmodified/Total                                                                                                   |
| Preparation and Storage                        | Store at -20 degree C/1 year                                                                                       |

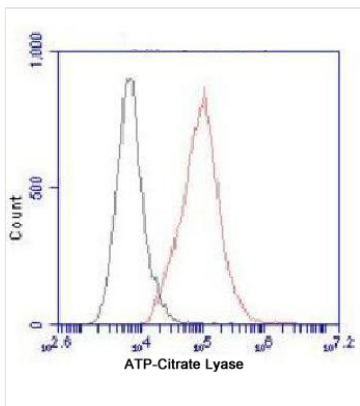
### IMAGES



**FCM/FACS (Flow Cytometry)**  
Flow Cytometry analysis of HeLa cells stained with ATP-Citrate Lyase (red, 1/100 dilution). followed by FITC-conjugated goat anti-mouse IgG. Black line histogram represents the isotype control. normal mouse IgG



**ICC (Immunocytochemistry)**  
Immunocytochemistry of HeLa cells using anti-ATP-Citrate Lyase (C-terminus) mouse mAb diluted 1:150.



#### WB (Western Blot)

Western blot detection of ATP-Citrate Lyase in 3T3.K562.COS7 and Hela cell lysates using ATP-Citrate Lyase mouse mAb (1:1000 diluted). Predicted band size: 120KDa. Observed band size: 120KDa.

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACLY antibody | ATP citrate lyase(ACLY) Homo sapiens ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of acetyl-CoA and oxaloacetate from citrate and CoA with a concomitant hydrolysis of ATP to ADP and phosphate. The product, acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterologenesis. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Dec 2014] |
| Product Categories/Family for anti-ACLY antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 38569421                                                                                       |
| NCBI GeneID                      | 47                                                                                             |
| NCBI Accession #                 | NP_001087.2                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001096.2                                                                                    |
| UniProt Accession #              | P53396; Q13037; Q9BRL0; B4DIM0                                                                 |
| Molecular Weight                 | 120,839 Da                                                                                     |
| NCBI Official Full Name          | ATP-citrate synthase isoform 1                                                                 |
| NCBI Official Synonym Full Names | ATP citrate lyase                                                                              |
| NCBI Official Symbol             | ACLY                                                                                           |
| NCBI Official Synonym Symbols    | ACL; ATPCL; CLATP                                                                              |
| NCBI Protein Information         | ATP-citrate synthase; ATP citrate synthase; citrate cleavage enzyme; ATP-citrate (pro-S)-lyase |
| UniProt Protein Name             | ATP-citrate synthase                                                                           |
| UniProt Gene Name                | ACLY                                                                                           |
| UniProt Synonym Gene Names       | ACL                                                                                            |
| UniProt Entry Name               | ACLY_HUMAN                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/atp-citrate-lyase-antibody-flow-cytometry-immunocytochemistry-western-blot-elisa/320321>