

## Rabbit ACLY Polyclonal Antibody | anti-ACLY antibody

ACLY Polyclonal Antibody

|                               |                       |                                        |                                                    |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA168185</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|

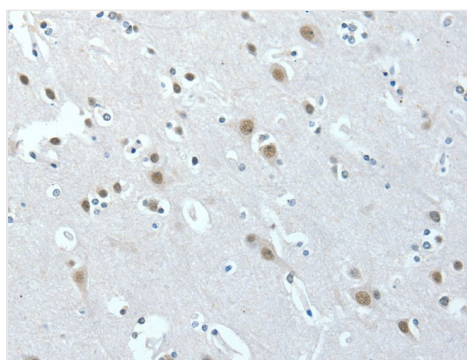
### PRODUCT SYNONYMS

ACLY; Polyclonal Antibody; ACLY Polyclonal Antibody; ACL; ATPCL; CLATP; anti-ACLY antibody

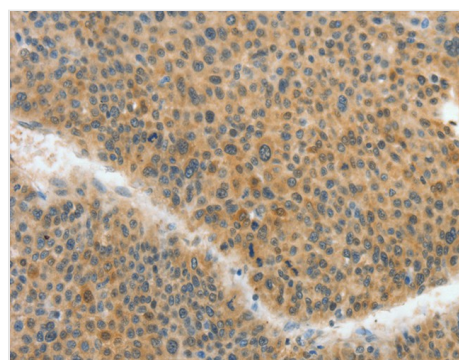
### PRODUCT SPECIFICATIONS

|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                         |
| Clonality                                      | Polyclonal                                                                                |
| Isotype                                        | IgG                                                                                       |
| Purity/Purification                            | Antigen affinity purification                                                             |
| Concentration                                  | 1.5mg/mL (varies by lot)                                                                  |
| Sequence Length                                | 1091                                                                                      |
| Applicable Applications for anti-ACLY antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Immunogen                                      | Recombinant protein of human ACLY                                                         |
| Buffer                                         | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                        | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human brain tissue using ACLY Polyclonal Antibody at dilution 1:40


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using ACLY Polyclonal Antibody at dilution 1:40

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACLY antibody | 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. Two transcript variants encoding distinct isoforms have been identified for this gene. |
| Product Categories/Family for anti-ACLY antibody   | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 38569423                                                                                        |
| NCBI GeneID                      | 47                                                                                              |
| NCBI Accession #                 | NP_942127.1                                                                                     |
| NCBI GenBank Nucleotide #        | NM_198830.1                                                                                     |
| Molecular Weight                 | 91,099 Da                                                                                       |
| NCBI Official Full Name          | ATP-citrate synthase isoform 2                                                                  |
| 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; ATP-citrate (pro-S-)-lyase; citrate cleavage enzyme |
| 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://www.aaabiotech.com/polyclonal/acly-antibody-immunohistochemistry-elisa/168185>