

A11105

Leader in Biomolecular Solutions for Life Science



## ACLY Rabbit mAb

Catalog No.: A11105

Recombinant

### Basic Information

#### Observed MW

95kDa

#### Calculated MW

121kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB, IHC-P, IF/ICC, IP, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### Background

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 cholesterol synthesis. 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.

### Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	1:20 - 1:50

### Immunogen Information

#### Gene ID

47

#### Swiss Prot

P53396

#### Immunogen

Recombinant protein of human ACLY

#### Synonyms

ACL; ATPCL; CLATP; ACLY

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

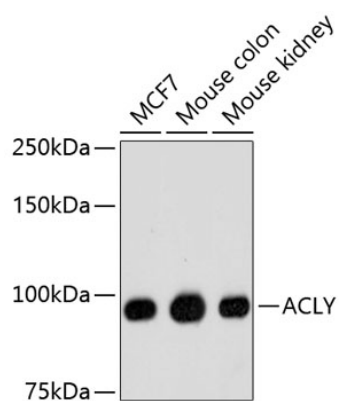
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using ACLY antibody (A11105).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.