

A9901

Leader in Biomolecular Solutions for Life Science



ACLY Mouse mAb

Catalog No.: A9901

Basic Information

Observed MW

121kDa

Calculated MW

121kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IF/ICC,FC,ELISA

Cross-Reactivity

Human,Mouse,Monkey

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 |
| IF/ICC | 1:50 - 1:200 |
| FC | 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

Product Information

Source

Mouse

Isotype

IgG

Purification

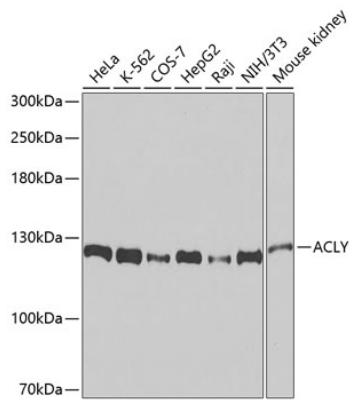
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using ACLY Mouse mAb (A9901) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.