

ACLY Mouse Monoclonal Antibody



CAB9901

Product Information

Size:

50uL, 100uL, 200uL

Observed MW:

121kDa

Calculated MW:

91kDa/119kDa/120kDa

Applications:

WB ICC FC

Reactivity:

Human, Mouse, Monkey

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 ICC 1:50
- 1:200 FC 1:20 - 1:50

Source:

Mouse

Isotype:

IgG

Purification:

Affinity purification

Protein 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 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.

Immunogen information

Gene ID:

47

Uniprot

P53396

Synonyms:

ACLY; ACL; ATPCL; CLATP

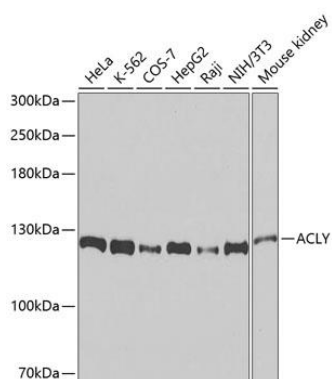
Immunogen:

Recombinant protein of human ACLY

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using ACLY antibody (CAB9901) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (CABS003) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.