

ACLY

Reactivity:Human Mouse Rat

Tested applications:WB IHC ICC IF IP FC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100
IP 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW:122 kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human ACLY

Storage Buffer:

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

Synonym:

ACL; ATPCL; CLATP;

Catalog #:A11105

Antibody Type:

Monoclonal Antibody

Species:Rabbit

Gene ID:47

Isotype:IgG

Swiss Prot:P53396

Purity:Affinity purification

For research use only.

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.

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