

ATP CITRATE LYASE RABBIT MAB

Cat.#: N261891

Product Name: Anti-ATP Citrate lyase Rabbit Monoclonal Antibody

Synonyms: ACLY; ATP-citrate synthase; ATP-citrate; pro-S-)-lyase; ACL; Citrate cleavage enzyme

UNIPROT ID: P53396

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.

Immunogen: A synthetic peptide of human ATP citrate lyase

Applications: WB, ICC/IF, IP

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R02-9B5

MW: Calculated MW: 121 kDa; Observed MW: 121 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human, Mouse, Rat

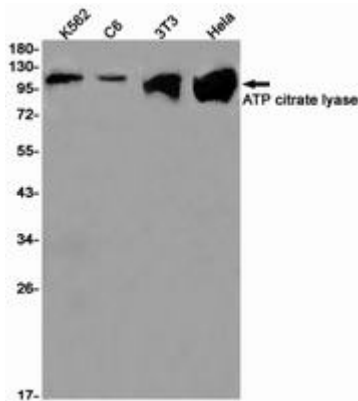
Conjugation: Unconjugated

Modification: Unmodified

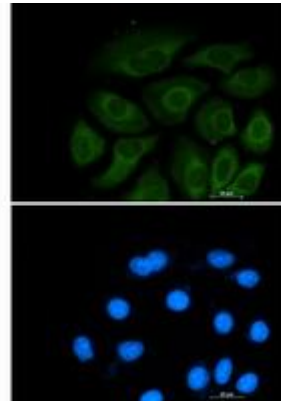
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of ATP citrate lyase in K562, C6, 3T3, HeLa lysates using ATP citrate lyase antibody.



Immunocytochemistry analysis of ATP Citrate lyase (green) in A549 using ATP Citrate lyase antibody, and DAPI (blue).