ATP CITRATE LYASE (3D9) MOUSE MAB

Cat.#: N261031

Product Name: Anti-ATP Citrate Lyase (3D9) Mouse 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 cholesterogenesis.

Immunogen: Purified recombinant human ATP-Citrate Lyase protein fragments expressed in E.coli.

Applications: WB,ICC/IF,FC

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 FC: 1/50-1/100

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 3D9-E9-H8

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

Isotype: IgG2a

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Monkey

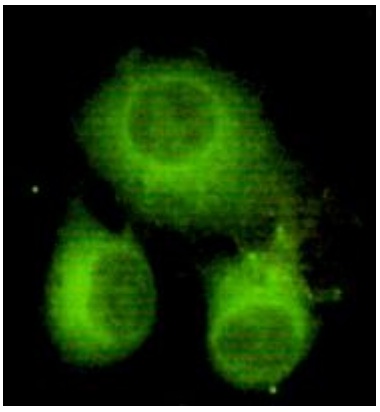
Conjugation: Unconjugated

Modification: Unmodified

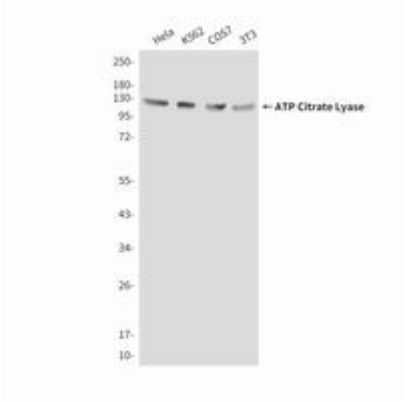
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

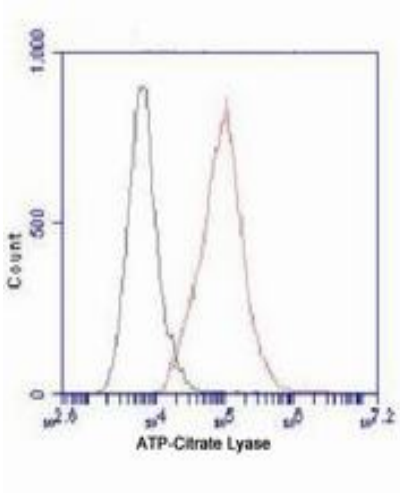
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of ATP Citrate Lyase in HeLa cells using ATPCitrate Lyase (Cterminus) antibody.



Western blot analysis of ATPCitrate Lyase in 3T3, K562, COS7 and Hela lysates using ATPCitrate Lyase antibody.



Flow Cytometry analysis of HeLa cells stained with ATPCitrate Lyase (red). Black line histogram represents the isotype control, normal mouse IgG