

## 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 cholesterologenesis.

**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

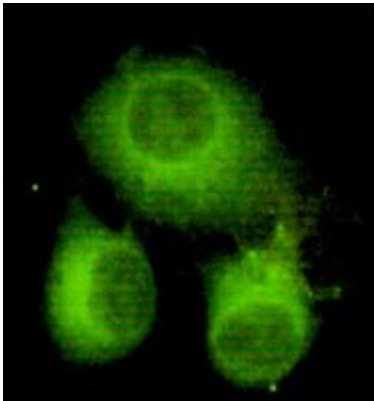
**Conjugation:** Unconjugated

**Modification:** Unmodified

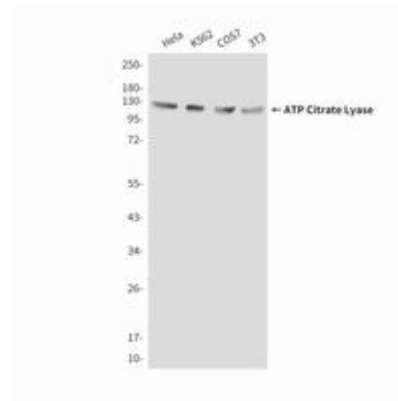
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

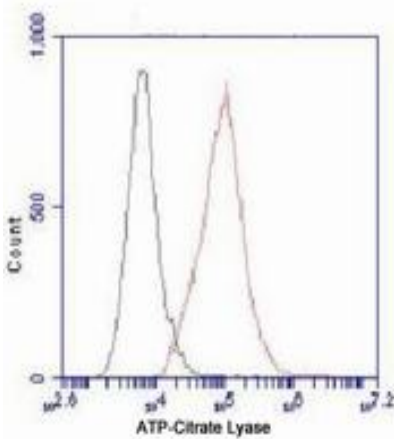
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



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



Western blot analysis of ATP Citrate Lyase in 3T3, K562, COS7 and HeLa lysates using ATP Citrate Lyase antibody.



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