Product Name: ATP Citrate Lyase (3D9) Mouse Monoclonal Antibody
Catalog #: AMM03438

Summary

Production Name	ATP Citrate Lyase (3D9) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF,FC
Reactivity	Human,Mouse,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	ACLY
Alternative Names	ACLY; ATP-citrate synthase; ATP-citrate; pro-S-)-lyase; ACL; Citrate cleavage enzyme
Gene ID	47
SwissProt ID	P53396.

Application

Dilution Ratio	WB: 1:500-1:1000 IF: 1:50-1:200 FC: 1:50-1:100
Molecular Weight	Calculated MW: 121 kDa; Observed MW: 121 kDa

Background

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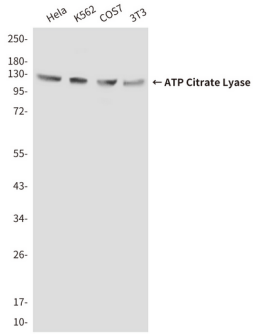
ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of acetyl-CoA and oxaloacetate from citrate and CoA with a concomitant hydrolysis of ATP to ADP and phosphate. The product, acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterogenesis.

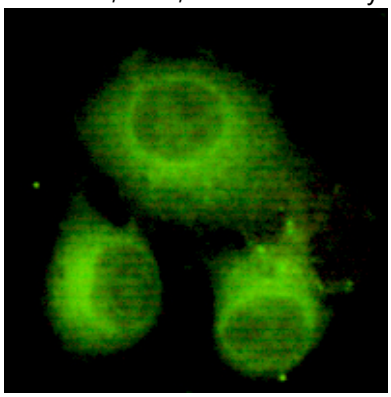
Research Area

Signal Transduction

Image Data



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



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

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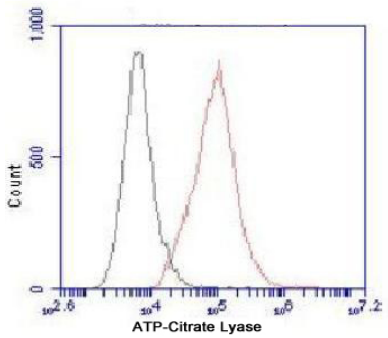

Flow Cytometry analysis of HeLa cells stained with ATPCitrate Lyase (red). Black line histogram represents the isotype control, normal mouse IgG

Note

For research use only.