Product Name: ATP Citrate lyase Rabbit Monoclonal Antibody
Catalog #: AMRe01695

Summary

Production Name	ATP Citrate lyase Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

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 IP: 1/20
Molecular Weight	Calculated MW: 121 kDa; Observed MW: 121 kDa

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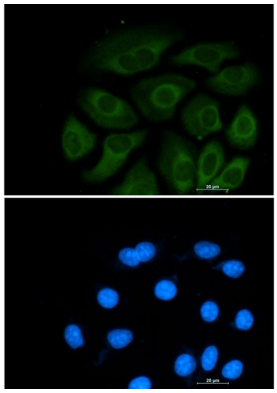
Background

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.

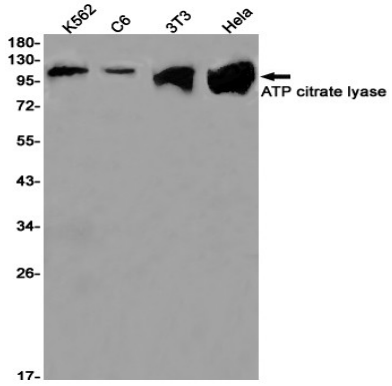
Research Area

Signal Transduction

Image Data



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



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

Note

For research use only.