Product Name: ATP Citrate lyase Rabbit Monoclonal Antibody
Catalog #: AMRe85323
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 121 kDa; Observed MW: 121 kDa

Antigen Information

Gene Name	ATP Citrate lyase
Alternative Names	ACLY; ATP-citrate synthase; ATP-citrate; pro-S-)-lyase; ACL; Citrate cleavage enzyme
Gene ID	47.0
SwissProt ID	P53396
Immunogen	A synthetic peptide of human ATP citrate lyase

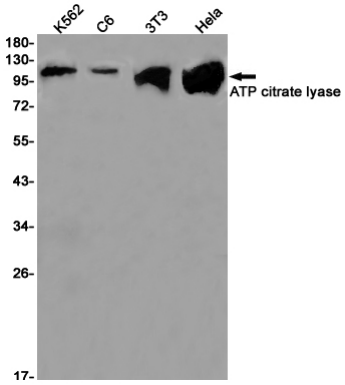
Background

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,

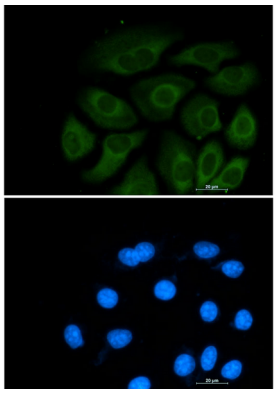
acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterogenesis.

Research Area

Image Data



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).