
Product Name: Phospho-ATP Citrate Synthase (Thr447/Ser451) Rabbit Monoclonal Antibody**Catalog #: AMRe84854**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
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
Molecular Weight	Calculated MW: 121 kDa; Observed MW: 121 kDa

Antigen Information

Gene Name	Phospho-ATP Citrate Synthase (Thr447/Ser451)
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 phosphopeptide corresponding to residues surrounding Thr447/Ser451 of human ATP citrate lyase

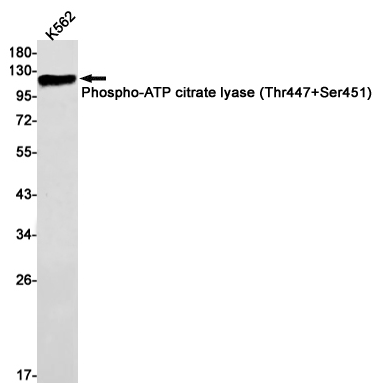
Background

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 cholesterologenesis.

Research Area

Image Data



Western blot analysis of Phospho-ATP citrate lyase (Thr447+Ser451) in K562 lysates using Phospho-ATP Citrate Synthase (Thr447/Ser451) antibody.