

ACLY Polyclonal Antibody

Catalog No. E-AB-30607

Note: Centrifuge before opening to ensure complete recovery of vial contents.

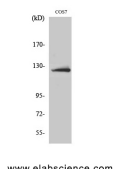
Description

Reactivity	Human,Mouse,Rat,Monkey
Immunogen	Synthesized peptide derived from human ATP-citrate synthase around the non-phosphorylation site of Ser455.
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

WB	1:500-1:2000
IF	1:100-1:300
ELISA	1:10000

Data



Western Blot analysis of COS-7 cells using ACLY Polyclonal Antibody at dilution of 1:1000.

Observed Mw:120kDa
Calculated Mw:121kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Two transcript variants encoding distinct isoforms have been identified for this gene.

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