BT LAB
Bioassay Technology Laboratory
Optimize Your Research

ATP-citrate synthase Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0196
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant human ATP-citrate synthase (C-terminus) protein fragments expressed in E.coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Rat,Bovine,Chicken,Pig,sheep
Clonality	Monoclonal
Recommended application	WB, IF, ICC, FCM
Concentration	1 mg/ml
Full name	ATP-citrate synthase
Synonyms	ACLY; ATP-citrate synthase; ATP-citrate; pro-S-)-lyase; ACL; Citrate cleavage enzyme

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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

Recommended Dilution

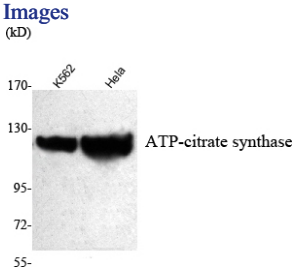
FC: 1:100 - 1:200

IF: 1:100 - 1:500

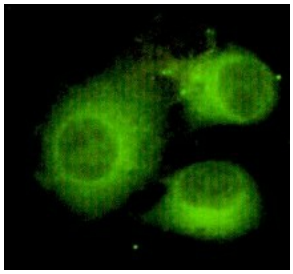
WB: 1:1000 - 1:2000

Not yet tested in other applications.

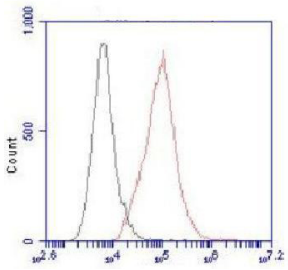
Images



Western Blot analysis using ATP-citrate synthase Monoclonal antibody against K562. HeLa cell lysate.



Immunofluorescence analysis of HeLa cells using ATP-citrate synthase Monoclonal antibody.



Flow cytometric analysis of HeLa cells stained with ATP-citrate synthase Monoclonal antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Black line histogram represents the isotype control, normal mouse IgG.

Storage

-20°C for one year

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