

Anti-ACLY Antibody

Catalog # AP96141

Product Information

Application	WB, FC, IF/IC
Primary Accession	P53396
Reactivity	Human, Mouse, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	120839

Additional Information

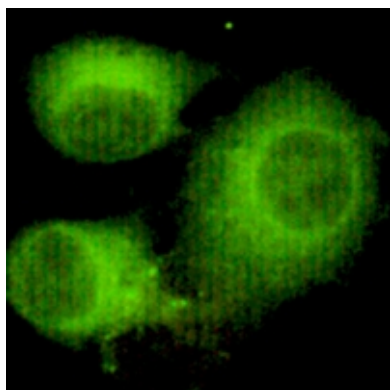
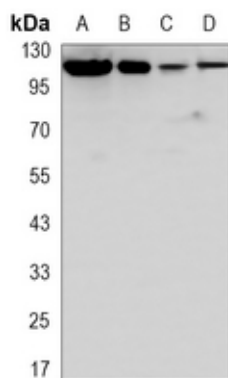
Gene ID	47
Other Names	ATP-citrate synthase; ATP-citrate (pro-S-)-lyase; ACL; Citrate cleavage enzyme
Target/Specificity	Purified recombinant human ATP-Citrate Lyase protein fragments expressed in E.coli.
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/50 - 1/100) IF/IC~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

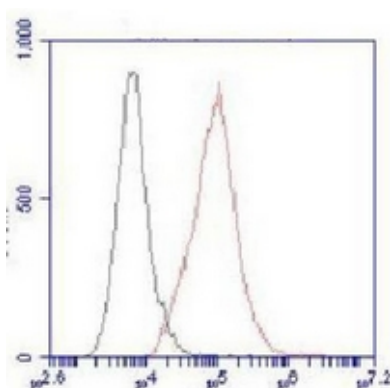
Name	ACLY
Function	Catalyzes the cleavage of citrate into oxaloacetate and acetyl-CoA, the latter serving as common substrate in multiple biochemical reactions in protein, carbohydrate and lipid metabolism.
Cellular Location	Cytoplasm, cytosol.

Images

Western blot analysis of ACLY expression in NIH3T3 (A), K562 (B), COS7 (C), Hela (D) whole cell lysates. (Predicted band size: 121 kD; Observed band size: 121 kD)



Immunofluorescent analysis of ACLY staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Flow cytometric analysis of ACLY in HeLa cells (red). Blue line histogram represents the isotype control.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.