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ATP-Citrate Lyase (C-terminus) Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52697

Specification

ATP-Citrate Lyase (C-terminus) Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P53396
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a**
Calculated MW	**120 KDa**

ATP-Citrate Lyase (C-terminus) Antibody - Additional Information

Gene ID 47

Other Names
ACL;Acly;ACLY_HUMAN;ATP citrate (pro-S) lyase;ATP citrate lyase;ATP citrate synthase; ATP-citrate (pro-S-)-lyase;ATP-citrate synthase;ATPcitrate synthase;ATPCL;Citrate cleavage enzyme;CLATP;EC 2.3.3.8;OTTHUMP00000164773.

Dilution
WB~~1:1000
FC~~1:100
ICC~~1:150

Format
Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol

Storage
Store at -20 °C.Stable for 12 months from date of receipt

ATP-Citrate Lyase (C-terminus) Antibody - Protein Information

Name ACLY

Function
Catalyzes the cleavage of citrate into oxaloacetate and acetyl-CoA, the latter serving as common substrate for de novo cholesterol and fatty acid synthesis.

Cellular Location
Cytoplasm, cytosol.

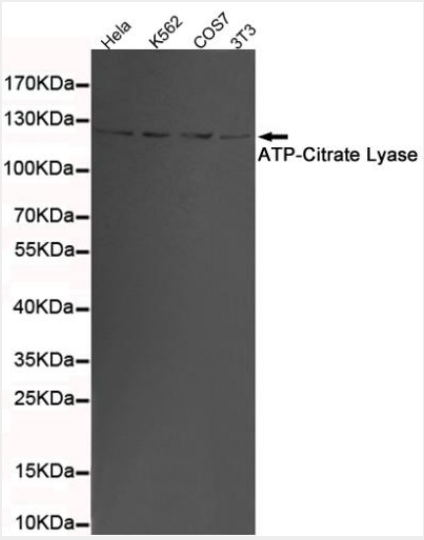
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ATP-Citrate Lyase (C-terminus) Antibody - Protocols

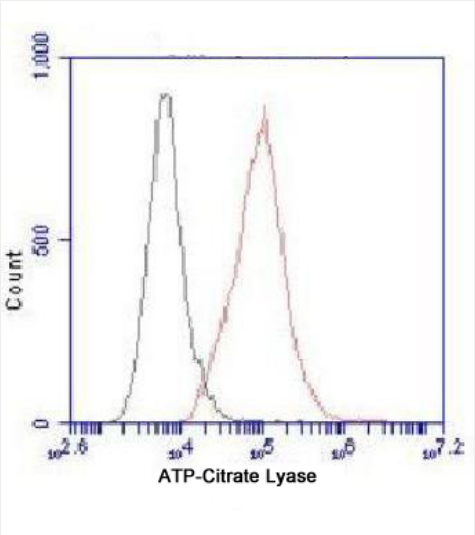
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ATP-Citrate Lyase (C-terminus) Antibody - Images



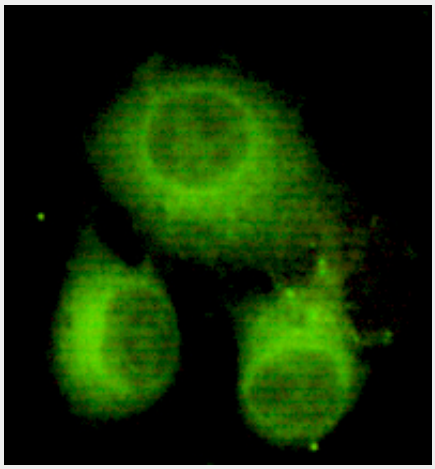
Western blot detection of ATP-Citrate Lyase in 3T3,K562,COS7 and Hela cell lysates using ATP-Citrate Lyase mouse mAb (1:1000 diluted).Predicted band size: 120KDa.Observed band size: 120KDa.



Flow Cytometry analysis of HeLa cells stained with ATP-Citrate Lyase (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Black line histogram represents the isotype

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control, normal mouse IgG



Immunocytochemistry of HeLa cells using anti-ATP-Citrate Lyase (C-terminus) mouse mAb diluted 1:150.

ATP-Citrate Lyase (C-terminus) Antibody - Background

ATP citrate-lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. Has a central role in de novo lipid synthesis. In nervous tissue it may be involved in the biosynthesis of acetylcholine.

ATP-Citrate Lyase (C-terminus) Antibody - References

Elshourbagy N.A.,et al.Eur. J. Biochem. 204:491-499(1992).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
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