

Product Name: ATP Citrate lyase Rabbit Polyclonal Antibody
Catalog #: APRab00062



Summary

| | |
|------------------------|--|
| Production Name | ATP Citrate lyase Rabbit Polyclonal Antibody |
| Description | Primary antibody |
| Host | Rabbit |
| Application | WB,IHC-P,ICC/IF,FC,IP |
| Reactivity | Human,Mouse,Rat |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal Antibody |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification | Affinity Chromatography |

Immunogen

| | |
|--------------------------|---|
| Gene Name | ACLY |
| Alternative Names | ACLY; ATP-citrate synthase; ATP-citrate; pro-S-)lyase; ACL; Citrate cleavage enzyme |
| Gene ID | 47 |
| SwissProt ID | P53396 |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20 FC: 1/50-1/100 |
| Molecular Weight | Calculated MW: 121 kDa; Observed MW: 121 kDa |

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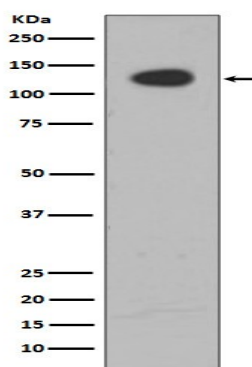
Background

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.

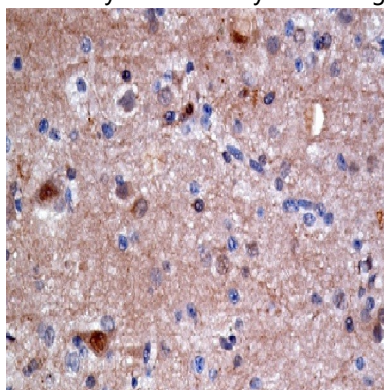
Research Area

Signal Transduction

Image Data



Western blot analysis of ATP citrate lyase in HeLa lysates using ATP Citrate lyase antibody.



Immunohistochemistry analysis of paraffin-embedded Human brain carcinoma using ATP citrate lyase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.