Anti-ATP Citrate lyase Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P011395

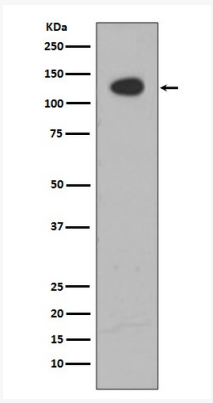
Product Information

Application	IHC-P/IF (Tissue-P), ICC/IF (Cell), IP, FC, ELISA, WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20; FC 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ATP citrate lyase
Format	Buffer System: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Purification: Affinity Chromatography
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ATP Citrate lyase antibody is for research use only and not for use in diagnostic or therapeutic procedures.

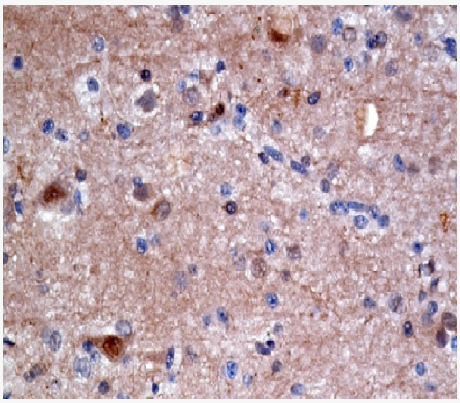
Protein Information

Synonyms	ACLY, ATP-citrate synthase, ATP-citrate, pro-S-)-lyase, ACL, Citrate cleavage enzyme.
Calculated MW	Calculated MW: 121 kDa; Observed MW: 121 kDa
Uniprot ID	P53396
Gene ID	47
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.

Validation Images



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.