10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ATP citrate lyase Antibody

Rabbit mAb
Catalog # AP90563

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P53396
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	ACL; ATPCL; CLATP; ATP citrate lyase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	120839

Additional Information

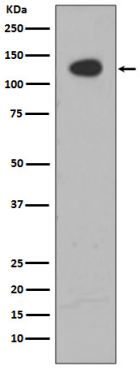
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ATP citrate lyase
Description	ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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 ATP citrate lyase expression in HeLa cell lysate.



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Immunohistochemical analysis of paraffin-embedded human brain carcinoma, using ATP citrate lyase Antibody .