

Anti-ATP Citrate lyase Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R012062

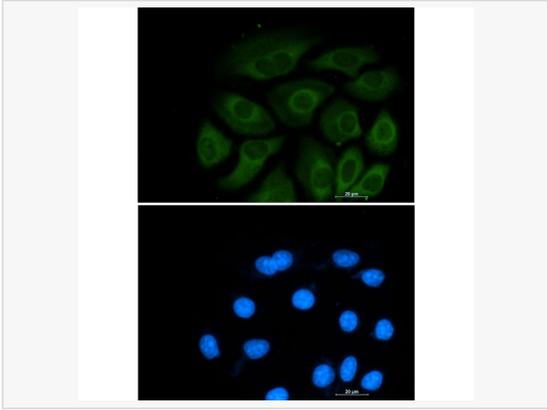
Product Information

Application	WB, ICC/IF (Cell), IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IF 1:50~1:200; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	52M87M20
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human ATP citrate lyase
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
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 [52M87M20] is for research use only and not for use in diagnostic or therapeutic procedures.

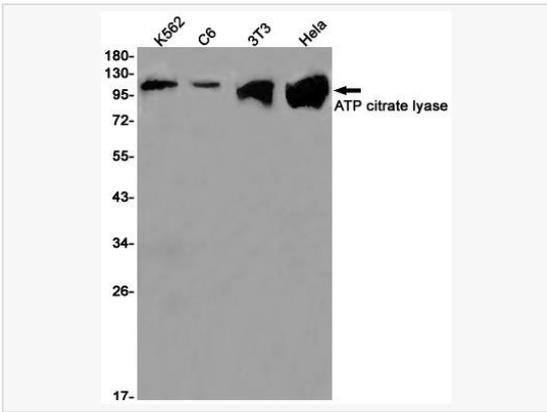
Protein Information

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 cholesterologenesis.

Validation Images



Immunocytochemistry analysis of ATP Citrate lyase (green) in A549 using ATP Citrate lyase antibody and DAPI (blue) .



Western blot analysis of ATP citrate lyase in K562, C6, 3T3, HeLa lysates using ATP citrate lyase antibody.