

ATP Citrate Lyase Antibody (YA829)

Cat. No.:	HY-P80560
Synonyms:	ATP Citrate Lyase Antibody (YA829) is a non-conjugated and Mouse originated monoclonal antibody about 121 kDa, targeting to ATP Citrate Lyase (3D9). It can be used for WB, ICC/IF, FC assays with tag free, in the background of Human, Mouse, Monkey.
Host:	Mouse
Reactivity:	Human, Mouse, Monkey
Conjugation:	Non-conjugated
SwissProt ID:	P53396
Research Field:	Signal Transduction
Molecular Weight:	Predicted band size: 121 kDa; Observed band size: 121 kDa

PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IF	1:50-1:200
	FC	1:50-1:100
Shipping	Shipping with blue ice.	

DESCRIPTION

Background	ATP Citrate Lyase (3D9): 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. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Dec 2014]
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Caution: Product has not been fully validated for medical applications. For research use only.

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