

Mouse Monoclonal Antibody to ACLY

Catalogue Number	sAP-0784
Target Molecule	<p>Name: ACLY</p> <p>Aliases: ACL; ATPCL; CLATP</p> <p>MW: 125kDa</p> <p>Entrez Gene ID: 47</p>
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 cholesterologenesis. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Two transcript variants encoding distinct isoforms have been identified for this gene. ; ; ;
Immunogen	Purified recombinant fragment of human ACLY (AA: 306-502) expressed in E. Coli.
Reactive Species	Human; Mouse; Monkey; Rat;
Clone	MM5F8D11;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 50; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.J Biol Chem. 2010 Oct 15;285(42):32606-15. ; 2.Int J Cancer. 2010 May 15;126(10):2282-95. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**