

Mouse ATP-citrate synthase Monoclonal Antibody | anti-ACLY antibody

ATP-citrate synthase Monoclonal Antibody

CATALOG # AAA320261	HOST Mouse	REACTIVITY Human, Mouse, Rat, Bovine, Chicken, Pig, sheep	APPLICATIONS Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

ATP-citrate synthase; Monoclonal Antibody; ATP-citrate synthase Monoclonal Antibody; ACLY; ATP-citrate; pro-S-)-lyase; ACL; Citrate cleavage enzyme; anti-ACLY antibody

PRODUCT SPECIFICATIONS

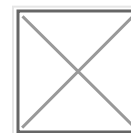
Host	Mouse
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Pig, sheep
Clonality	Monoclonal
Specificity	ATP-citrate synthase Monoclonal Antibody detects endogenous levels of ATP-citrate synthase protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ACLY antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant human ATP-citrate synthase (C-terminus) protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



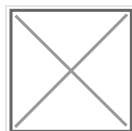
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells stained with ATP-citrate synthase Monoclonal Antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Black line histogram represents the isotype control. normal mouse IgG.



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using ATP-citrate synthase Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using ATP-citrate synthase Monoclonal Antibody against K562. HeLa cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ACLY antibody	ATP citrate lyase(ACLY) Homo sapiens 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]
Product Categories/Family for anti-ACLY antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	38569421
NCBI GeneID	47
NCBI Accession #	NP_001087.2
NCBI GenBank Nucleotide #	NM_001096.2
UniProt Accession #	P53396; Q13037; Q9BRL0; B4DIM0
Molecular Weight	120,839 Da
NCBI Official Full Name	ATP-citrate synthase isoform 1
NCBI Official Synonym Full Names	ATP citrate lyase
NCBI Official Symbol	ACLY
NCBI Official Synonym Symbols	ACL; ATPCL; CLATP
NCBI Protein Information	ATP-citrate synthase; ATP citrate synthase; citrate cleavage enzyme; ATP-citrate (pro-S-)-lyase
UniProt Protein Name	ATP-citrate synthase
UniProt Gene Name	ACLY
UniProt Synonym Gene Names	ACL
UniProt Entry Name	ACLY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/atp-citrate-synthase-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-western-blot-elisa/320261>