

Rabbit anti-Human, Mouse ACL Polyclonal Antibody | anti-ACL antibody

Rabbit anti-ACL Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212332	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

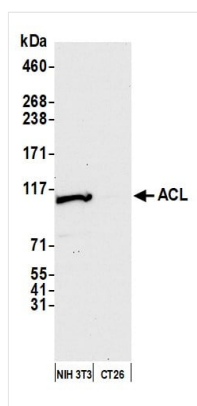
PRODUCT SYNONYMS

ACL; Polyclonal Antibody; Rabbit anti-ACL Antibody; Affinity Purified; ATPCL; CLATP; citrate cleavage enzyme; ATP-citrate synthase; ATP-citrate (pro-S-)-lyase; ATP citrate lyase; anti-ACL antibody

PRODUCT SPECIFICATIONS

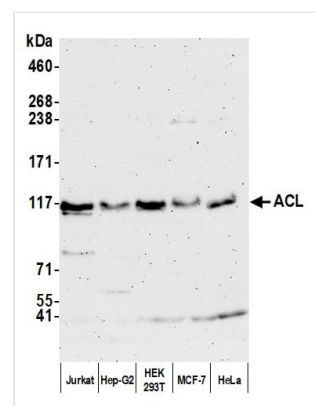
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ACL antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Sheep, Bovine
Immunogen	Between 375 and 425
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



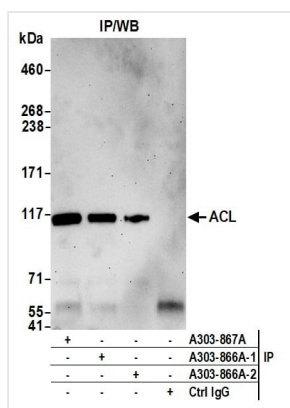
WB (Western Blot)

Detection of human ACL by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3 and CT26 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ACL antibody (AAA212332 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



WB (Western Blot)

Detection of human ACL by western blot. Samples: Whole cell lysate (50 ug) from Jurkat, Hep-G2, HEK293T, MCF-7, and HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ACL antibody AAA212332 (AAA212332 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human ACL by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ACL antibody (AAA212332 lot 2) used for IP at 6 ug per reaction. ACL was also immunoprecipitated by a previous lot of this antibody (AAA212332 lot 1) and a second antibody against a different epitope of ACL. For blotting immunoprecipitated ACL, AAA212332 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ACL antibody	ATP citrate lyase (ACL) is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. ACL 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, ACL may be involved in the biosynthesis of acetylcholine [taken from NCBI Entrez Gene (Gene ID: 47)].
Product Categories/Family for anti-ACL antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	38569423
NCBI GeneID	47
NCBI Accession #	NP_942127.1
NCBI GenBank Nucleotide #	NM_198830.1
UniProt Accession #	P53396 ; Q13037 ; Q9BRL0 ; B4DIM0
Molecular Weight	58kD
NCBI Official Full Name	ATP-citrate synthase isoform 2
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/polyclonal/acl-antibody-immunoprecipitation-western-blot-elisa/212332>