

Rabbit ATP-Citrate Lyase Antibody | anti-ACL antibody

ATP-Citrate Lyase (Phospho-Ser454) Antibody

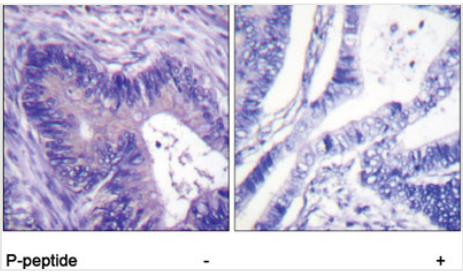
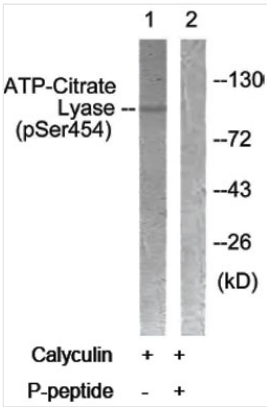
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA267471	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ATP-Citrate Lyase; ATP-Citrate Lyase (Phospho-Ser454) Antibody; ATP-citrate (pro-S-)-lyase; ATP-citrate lyase; Citrate cleavage enzyme; EC 2.3.3.8; anti-ACL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Specificity	ATP-Citrate Lyase (Phospho-Ser454) antibody detects endogenous levels of ATP-Citrate Lyase only when phosphorylated at serine 454.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1101
Applicable Applications for anti-ACL antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human ATP-Citrate Lyase around the phosphorylation site of serine 454 (T-A-S ^P -F-S).
All Sites	Human: Ser455 Mouse: Ser455 Rat: Ser454
Preparation and Storage	Store at -20 degree C.



Application Data
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using ATP-Citrate Lyase (Phospho-Ser454) antibody.

WB (Western Blot)
Western blot analysis of extracts from COS7 cells, treated with Calyculin (50nM, 30mins), using ATP-Citrate Lyase (Phospho-Ser454) antibody.

ADDITIONAL INFORMATION

References	NA Elshourbagy. J. Biol. Chem., Jan 1990; 265: 1430-1435. FUJIO SUZUKI. J. Biochem. (Tokyo), Aug 1967; 62: 170-178. TC Linn. J. Biol. Chem., Nov 1984; 259: 13379-13384.
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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; B4E3P0
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
UniProt Protein Name	ATP-citrate synthase
UniProt Gene Name	ACLY
UniProt Synonym Gene Names	ACL

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.