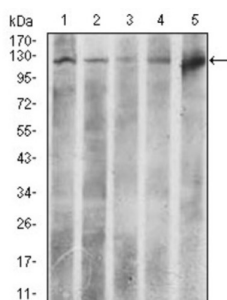
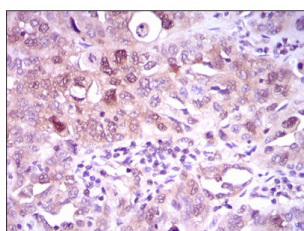


ATP-Citrate Synthase (ACLY) Antibody

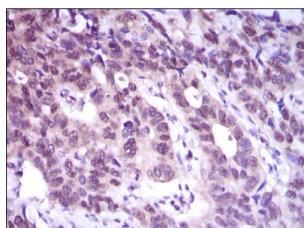
Catalogue No.: abx010428



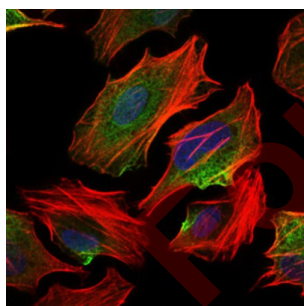
Western blot analysis using ACLY antibody against human ACLY recombinant protein. (Expected MW is 46.7 kDa).



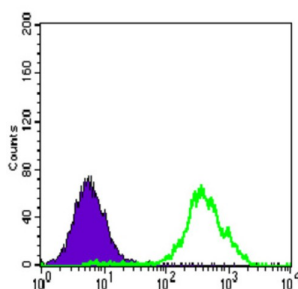
Western blot analysis using ACLY antibody against HeLa (1), NIH3T3 (2), C6 (3), COS7 (4), and Raji (5) cell lysate.



Immunofluorescence analysis of HeLa cells using ACLY antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of HeLa cells using ACLY antibody (green) and negative control (purple).

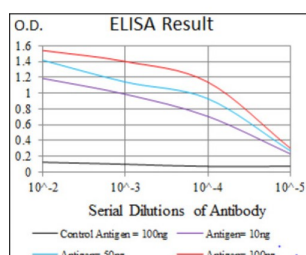


Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using ACLY antibody with DAB staining.

Datasheet

Version: 3.0.0

Revision date: 31 May 2025



Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using ACLY antibody with DAB staining.

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.

Target: ATP-Citrate Synthase (ACLY)

Clonality: Monoclonal

Reactivity: Human, Mouse, Monkey, Rat

Tested Applications: ELISA, WB, IHC, IF/ICC, FCM

Host: Mouse

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/50, FCM: 1/200 - 1/400.
Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of human ACLY (AA: 306-502) expressed in E. coli.

Isotype: IgG₁

Form: Liquid

Purification: Purified from ascites by Protein G chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P53396 ([UniProt](#), [ExPASy](#))

GeneID: [47](#)

KEGG: hsa:47

Datasheet

Version: 3.0.0

Revision date: 31 May 2025



String: [9606.ENSPO0000253792](#)

Molecular Weight: 125 kDa

Buffer: PBS, containing 0.05% sodium azide.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only