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# ACLY Rabbit mAb

**Catalog No.: A22273** Recombinant

## Basic Information

**Observed MW**
125kDa

**Calculated MW**
121kDa

**Category**
Primary antibody

**Applications**
ELISA,WB,IHC-P

**Cross-Reactivity**
Human, Mouse, Rat

**CloneNo number**
ARC56113

## Background

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 cholesterogenesis. 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.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:5000 |
| **IHC-P** | 1:1000 - 1:5000 |

## Immunogen Information

**Gene ID**
47

**Swiss Prot**
P53396

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 752-1101 of human ACLY (NP_001087.2).

**Synonyms**
ACL; ATPCL; CLATP; ACLY

## Contact


400-999-6126

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## Product Information

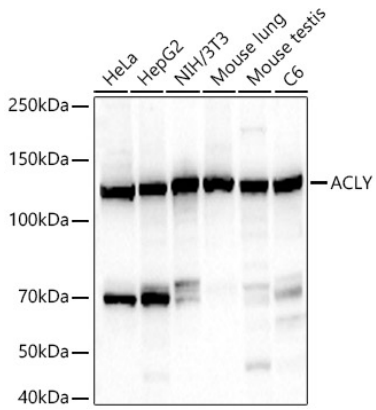
**Source**
Rabbit

**Isotype**
IgG

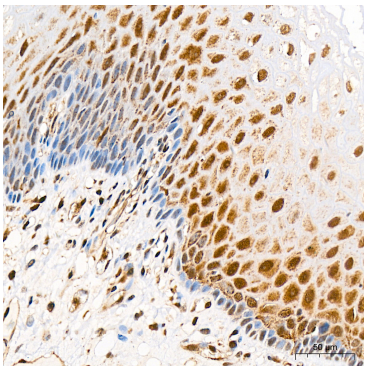
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

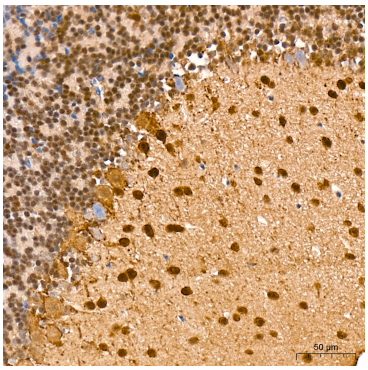
## Validation Data



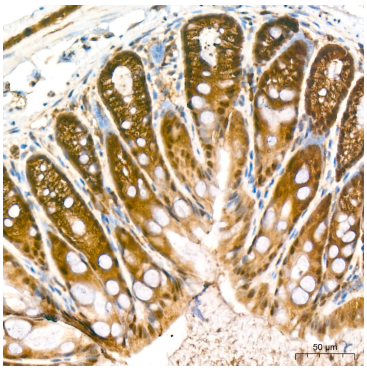

Western blot analysis of various lysates, using ACLY Rabbit mAb (A22273) at1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



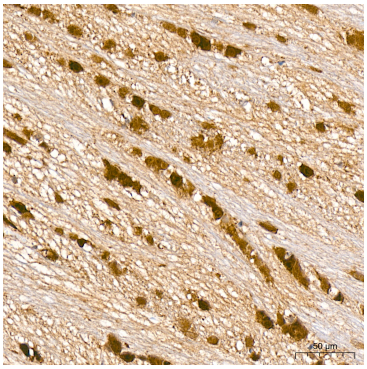
Immunohistochemistry analysis of ACLY in paraffin-embedded human esophagus tissue using ACLY Rabbit mAb (A22273) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



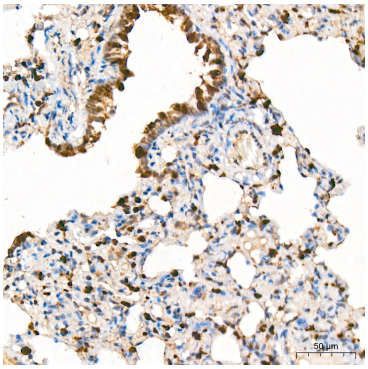
Immunohistochemistry analysis of ACLY in paraffin-embedded mouse brain tissue using ACLY Rabbit mAb (A22273) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of ACLY in paraffin-embedded mouse colon tissue using ACLY Rabbit mAb (A22273) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of ACLY in paraffin-embedded rat brain tissue using ACLY Rabbit mAb (A22273) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of ACLY in paraffin-embedded rat lung tissue using ACLY Rabbit mAb (A22273) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.