

# ACSS2 Rabbit pAb

Catalog No.: A6472

1 Publications

## Basic Information

### Observed MW

78kDa

### Calculated MW

79kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

55902

### Swiss Prot

Q9NR19

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

ACS; ACSA; ACAS2; ACECS; AceCS1; dj1161H23.1; ACSS2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

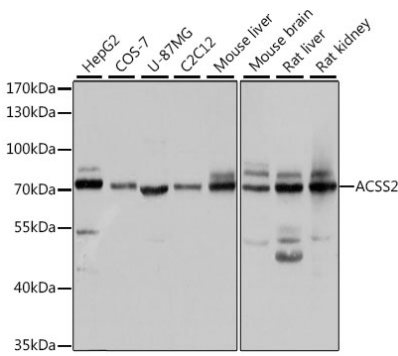
Affinity purification

### Storage

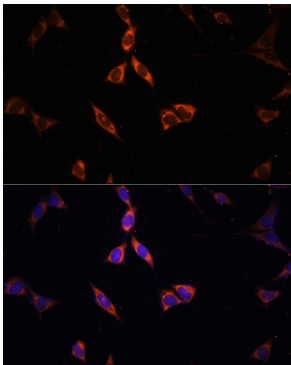
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

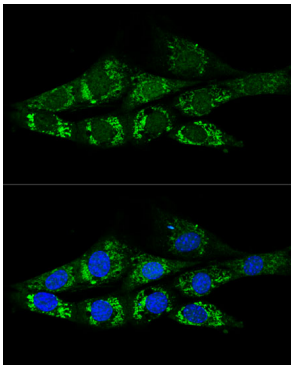
Validation Data



Western blot analysis of various lysates using ACSS2 Rabbit pAb (A6472) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated 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: 5s.



Immunofluorescence analysis of NIH-3T3 cells using ACSS2 Rabbit pAb (A6472) at dilution of 100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of NIH-3T3 cells using ACSS2 Rabbit pAb (A6472) at dilution of 1:200. Blue: DAPI for nuclear staining.