

ACSS2 Rabbit pAb

Catalog No.: A6472

Basic Information

Observed MW

78kDa

Calculated MW

79kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

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

Immunogen Information

Gene ID

55902

Swiss Prot

Q9NR19

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 462-701 of human ACSS2 (NP_061147.1).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

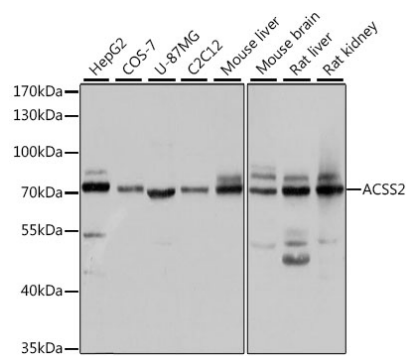
Affinity purification

Storage

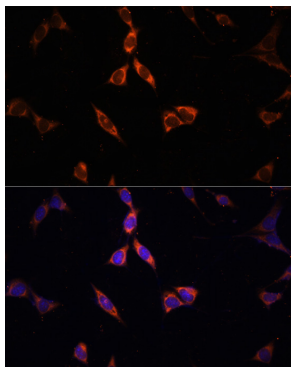
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

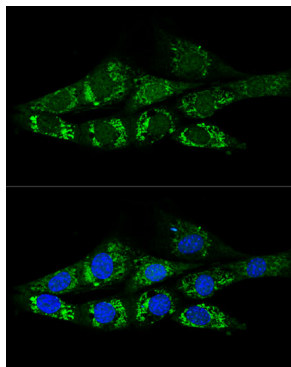
Validation Data



Western blot analysis of various lysates using ACSS2 Rabbit pAb (A6472) at 1:1000 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: 5s.



Immunofluorescence analysis of NIH-3T3 cells using ACSS2 Rabbit pAb (A6472) at dilution of 100 (40x lens). Secondary antibody: Cy3 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.