

A6472

Leader in Biomolecular Solutions for Life Science



ACSS2 Rabbit pAb

Catalog No.: A6472

Basic Information

Observed MW

78kDa

Calculated MW

79kDa

Category

Polyclonal 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

Immunogen Information

Gene ID	Swiss Prot
55902	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



www.abclonal.com

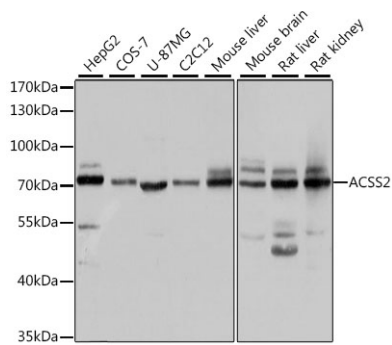
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

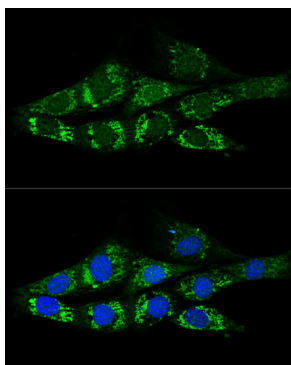
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

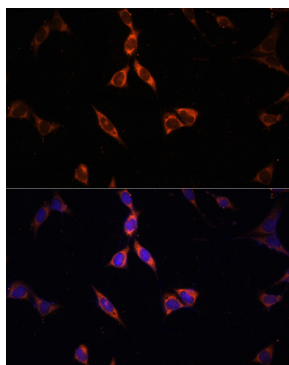
Validation Data



Western blot analysis of various lysates using ACS52 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.



Confocal immunofluorescence analysis of NIH-3T3 cells using ACS52 Rabbit pAb (A6472) at dilution of 1:200. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using ACS52 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.