

## AACS Polyclonal Antibody

Catalog number: 13815-1-AP

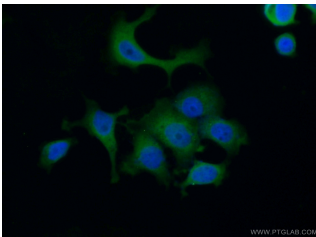
Size: 70 µg/150 µl

Source: Rabbit

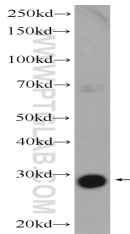
Isotype: IgG

Synonyms:

AACS; AACS, acetoacetyl CoA synthetase, ACSF1, FLJ12389, FLJ41251, Protein sur 5 homolog, SUR 5



Immunofluorescent analysis of MCF-7 cells using 13815-1-AP (AACS Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



mouse heart tissue were subjected to SDS PAGE followed by western blot with 13815-1-AP (AACS Antibody) at dilution of 1:300

### Background

AACS(acetoacetyl-CoA synthetase) is also named as ACSF1 and belongs to the ATP-dependent AMP-binding enzyme family. In mammals, AACS is present in the cytosolic fractions of various tissues, especially lipogenic ones, and acetoacetate is known to be effectively incorporated into cholesterol and fatty acids. These results indicate that AACS may supply acetyl units to cytosolic compartment for cholesterol and/or fatty acid biosynthesis. It has 3 isoforms produced by alternative splicing.

### Applications

Tested applications:	ELISA, WB, IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated AACS MW:	672aa, 75 kDa
Observed AACS MW:	67 kDa, 30 kDa
Positive WB detected in	Mouse heart tissue, mouse liver tissue
Positive IF detected in	MCF-7 cells
Recommended dilution:	WB: 1:200-1:1000 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4899
GenBank accession number:	BC040490
Gene ID (NCBI):	65985
Full name:	Acetoacetyl-CoA synthetase

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.