

For Research Use Only

AACS Polyclonal antibody

Catalog Number: 13815-1-AP

1 Publications



Basic Information

Catalog Number: 13815-1-AP	GenBank Accession Number: BC040490	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65985	Recommended Dilutions: WB 1:200-1:1000 IF 1:20-1:200
Source: Rabbit	Full Name: acetoacetyl-CoA synthetase	
Isotype: IgG	Calculated MW: 672 aa, 75 kDa	
Immunogen Catalog Number: AG4899	Observed MW: 67 kDa, 30 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse heart tissue, mouse liver tissue
Species Specificity: human, mouse, rat	IF : MCF-7 cells,
Cited Species: mouse	

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
George D Dalton	34568800	iScience	WB

Storage

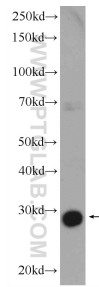
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

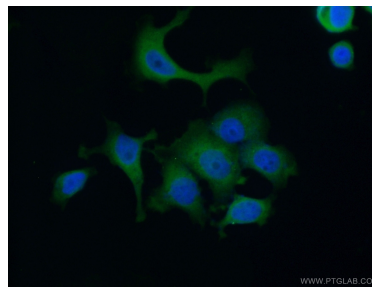
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 13815-1-AP (AACS Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).