

For Research Use Only

# AACS Polyclonal antibody, PBS Only

Catalog Number: 13815-1-PBS

Featured Product



## Basic Information

Catalog Number:

13815-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4899

GenBank Accession Number:

BC040490

GeneID (NCBI):

65985

UNIPROT ID:

Q86V21

Full Name:

acetoacetyl-CoA synthetase

Calculated MW:

672 aa, 75 kDa

Observed MW:

67 kDa, 30 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

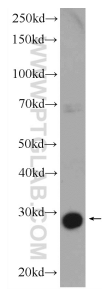
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

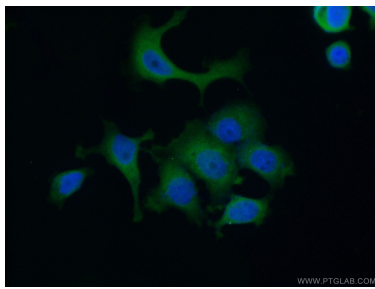
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

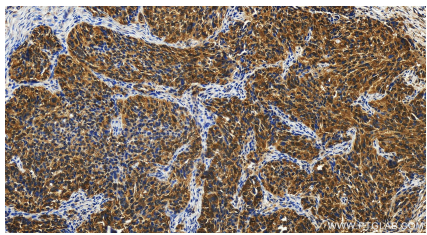
## Selected Validation Data



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. This data was developed using the same antibody clone with 13815-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13815-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 13815-1-AP (AACS antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13815-1-PBS in a different storage buffer formulation.