

For Research Use Only

# ACAD9 Polyclonal antibody, PBS Only

Catalog Number:15770-1-PBS

Featured Product



## Basic Information

Catalog Number:

15770-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8414

GenBank Accession Number:

BC007970

GeneID (NCBI):

28976

UNIPROT ID:

Q9H845

Full Name:

acyl-Coenzyme A dehydrogenase family, member 9

Calculated MW:

69 kDa

Observed MW:

60-65 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

## Background Information

Acyl-CoA dehydrogenases (ACADs) are a family of mitochondrial enzymes catalyzing the initial rate-limiting step in the  $\beta$ -oxidation of fatty acyl-CoA. ACAD9 belongs to the group of ACADs. The deduced 621-amino acid protein has a calculated molecular mass of 68.8 kD. It has an N-terminal leader sequence, 2 conserved motifs shared by all ACAD family members, and a potential N-glycosylation site (PMID:12359260). Defects in ACAD9 are a cause of acyl-CoA dehydrogenase family member type 9 deficiency (ACAD9 deficiency).

## Storage

Storage:

Store at  $-80^{\circ}\text{C}$ .

The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$

Storage Buffer:

PBS only, pH7.3

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

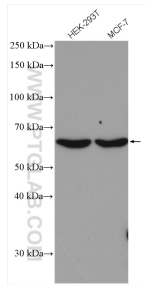
T: 4006900926

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

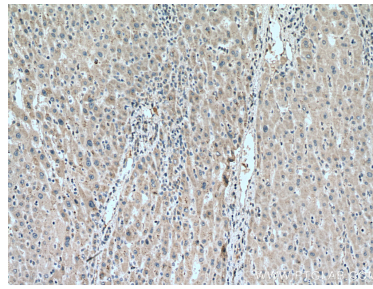
W: [ptgcn.com](http://ptgcn.com)

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

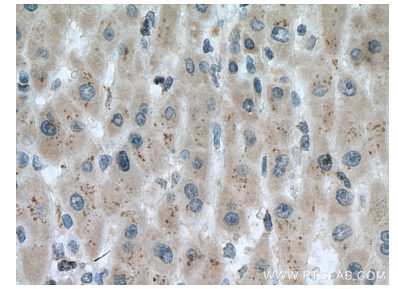
## Selected Validation Data



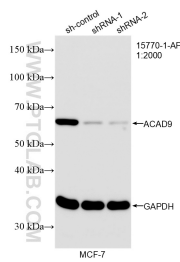
Various lysates were subjected to SDS PAGE followed by western blot with 15770-1-AP (ACAD9 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15770-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15770-1-AP (ACAD9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15770-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15770-1-AP (ACAD9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15770-1-PBS in a different storage buffer formulation.



WB result of ACAD9 antibody (15770-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACAD9 transfected MCF-7 cells. This data was developed using the same antibody clone with 15770-1-PBS in a different storage buffer formulation.