

For Research Use Only

# ACAD9 Polyclonal antibody, PBS Only

Catalog Number: 15770-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

15770-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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°C.

**Storage Buffer:**

PBS only, pH7.3

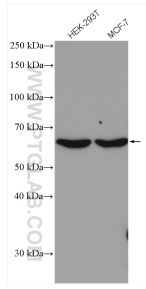
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

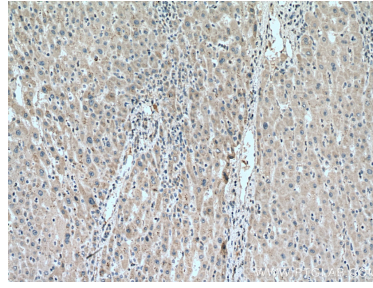
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

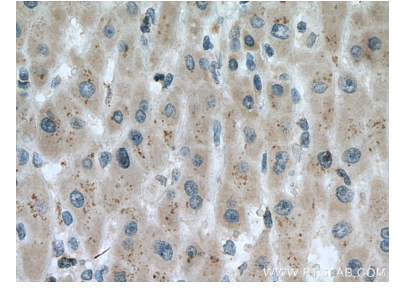
## Selected Validation Data



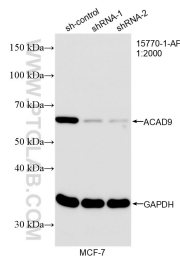
Various lysates were subjected to SDS PAGE followed by western blot with 15770-1-AP (ACAD9 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15770-1-PBS in a different storage buffer formulation.



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.