

For Research Use Only

# ACAD9 Polyclonal antibody

Catalog Number: 15770-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

15770-1-AP

**Size:**

450 µg/ml

**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:**

65 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human

**Cited Species:**

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : HEK-293T cells, MCF-7 cells

IHC : human liver cancer tissue,

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Cong Wang	31721420	EMBO Rep	WB
David W Reid	28720757	Sci Rep	WB
Hezhi Fang	33852835	Cell Rep	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

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

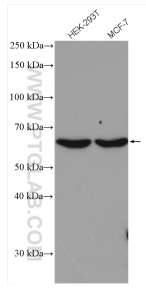
T: 4006900926

E: Proteintech-CN@ptglab.com

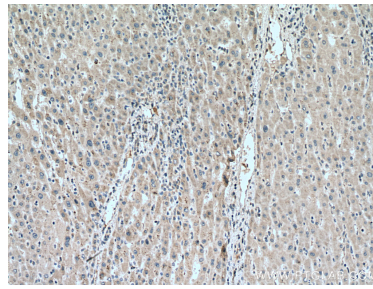
W: ptgcn.com

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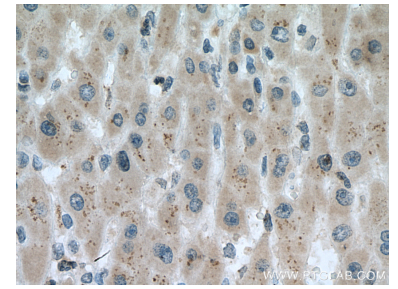
## Selected Validation Data



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.



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).



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).