

For Research Use Only

ACAD9 Polyclonal antibody

Catalog Number: 15770-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

15770-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

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

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

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

IHC: human liver cancer tissue,

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

Background Information

Acyl-CoA dehydrogenases (ACADs) are a family of mitochondrial enzymes catalyzing the initial rate-limiting step in the β -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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

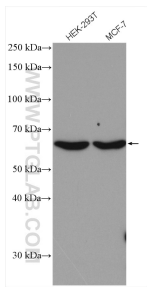
For technical support and original validation data for this product please contact:

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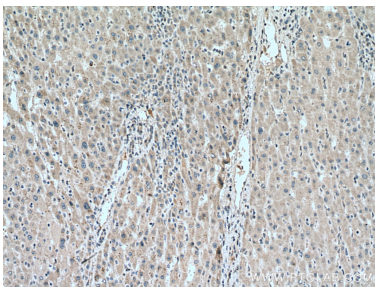
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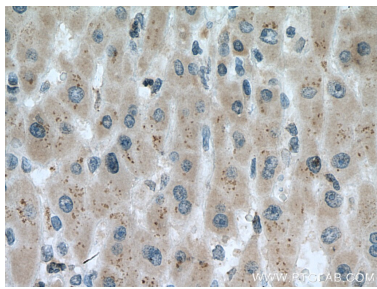
Selected Validation Data



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).