For Research Use Only

ACAD9 Polyclonal antibody

Catalog Number:15770-1-AP Featured Product 4 Publications

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Basic Information

Catalog Number:
15770-1-AP

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8414

GenBank Accession Number:
BC007970

GeneID (NCBI):
28976

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 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

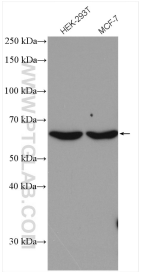
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

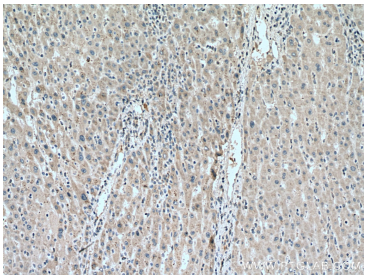
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

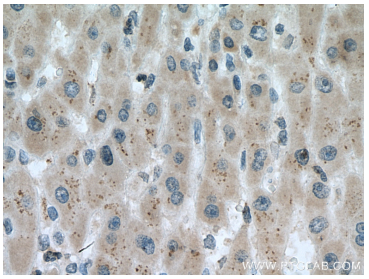
Selected Validation Data



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).