For Research Use Only

ACADM Polyclonal antibody

Catalog Number:55210-1-AP Featured Product 55 Publications

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Basic Information

Catalog Number:
55210-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000016

GeneID (NCBI):
34

UNIPROT ID:
P11310

Full Name:
acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain

Calculated MW:
47 kDa

Observed MW:
45-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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-293 cells, K-562 cells, HepG2 cells, rat heart tissue, MDA-MB-453s cells, mouse liver tissue, rat liver tissue, mouse kidney tissue, rat kidney tissue

IHC : human liver tissue, human heart tissue

Background Information

ACADM, also named as MCAD, belongs to the acyl-CoA dehydrogenase family. This enzyme is specific for acyl chain lengths of 4 to 16. It catalyzes the reaction: Acyl-CoA + acceptor = 2,3-dehydroacyl-CoA + reduced acceptor. Defects in ACADM are the cause of medium-chain acyl-CoA dehydrogenase deficiency (MCAD deficiency). This protein can exsit as a dimer(PMID:8962055). This antibody is specific to ACADM.

Notable Publications

Author	Pubmed ID	Journal	Application
Pablo Ranea-Robles	34651140	Kidney360	WB
Pablo Ranea-Robles	34564857	J Inherit Metab Dis	WB
De Huang	25242319	Cell Rep	WB, IHC

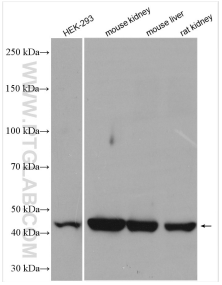
Storage

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

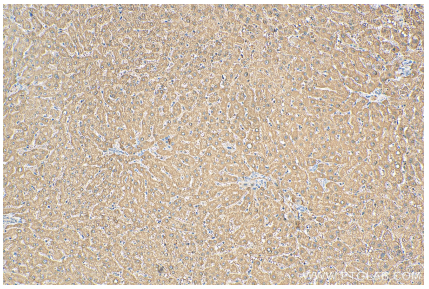
*** 20ul sizes contain 0.1% BSA

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

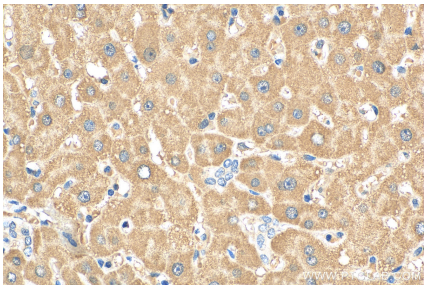
Selected Validation Data



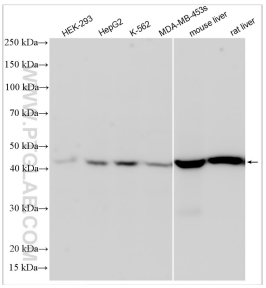
Various lysates were subjected to SDS PAGE followed by western blot with 55210-1-AP (ACADM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 55210-1-AP (ACADM antibody) at dilution of 1:150 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 55210-1-AP (ACADM antibody) at dilution of 1:150 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 55210-1-AP (ACADM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.