

For Research Use Only

ACADL-Specific Polyclonal antibody

Catalog Number: 17526-1-AP

Featured Product

56 Publications



Basic Information

Catalog Number:

17526-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001608

GeneID (NCBI):

33

UNIPROT ID:

P28330

Full Name:

acyl-Coenzyme A dehydrogenase, long chain

Calculated MW:

48 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig, sheep, ewes

Positive Controls:

WB: mouse kidney tissue, mouse heart tissue, mouse liver tissue, mouse lung tissue

IP: mouse kidney tissue,

Background Information

ACADL(Long-chain specific acyl-CoA dehydrogenase, mitochondrial) is also named as LCAD and belongs to the acyl-CoA dehydrogenase family. It catalyzes the first reaction of the mitochondrial β -oxidation of fatty acids and is synthesized in the cytosol as a precursor that is larger than its mature form. The size difference between the precursor and mature rat LCAD has been estimated to be 3 kDa on the basis of SDS-PAGE(PMID:1774065). Defects in ACADL are a cause of acyl-CoA dehydrogenase very long-chain deficiency (ACADVL). This antibody is specific to ACADL.

Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Lv	33659423	Bio Protoc	WB, IP
De Huang	25242319	Cell Rep	WB, IHC
Dharendra Thapa	30323061	J Biol Chem	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

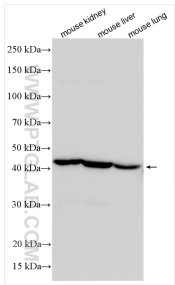
For technical support and original validation data for this product please contact:

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

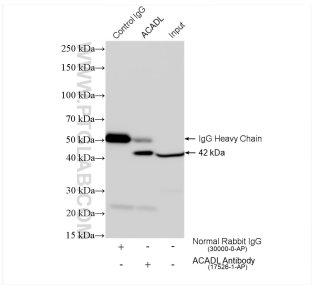
E: proteintech@ptglab.com
W: ptglab.com

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 17526-1-AP (ACADL-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-ACADL-Specific (IP:17526-1-AP, 4ug; Detection:17526-1-AP 1:10000) with mouse kidney tissue lysate 2160 ug.