

For Research Use Only

# ACADL-Specific Polyclonal antibody

Catalog Number: 17526-1-AP

Featured Product

59 Publications



## Basic Information

### Catalog Number:

17526-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### 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  $\beta$ -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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

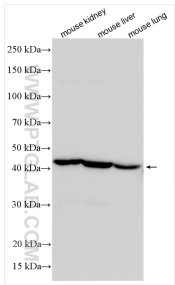
For technical support and original validation data for this product please contact:

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

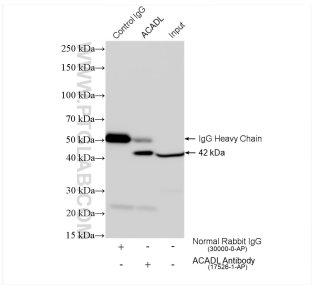
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Selected Validation Data



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.