

For Research Use Only

# ACADL-Specific Polyclonal antibody



Catalog Number: 17526-1-AP

Featured Product

45 Publications

## Basic Information

**Catalog Number:**

17526-1-AP

**Size:**

500 µg/ml

**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 µg for 1.0-3.0 mg of total  
protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, sheep, mouse, pig, 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

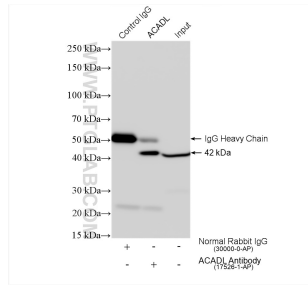
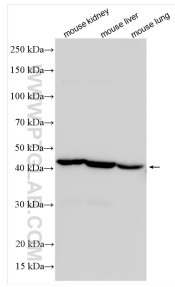
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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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.