

For Research Use Only

ACADL-Specific Polyclonal ANTIBODY



Catalog Number: 17526-1-AP

Featured Product

11 Publications

Basic Information

Catalog Number: 17526-1-AP	GenBank Accession Number: NM_001608	Recommended Dilutions: WB 1:500-1:1000 IHC 1:100-1:400
Size: 40 µg/150 µl	GeneID (NCBI): 33	
Source: Rabbit	Full Name: acyl-Coenzyme A dehydrogenase, long chain	
Isotype: IgG	Calculated MW: 48 kDa	
Purification Method: Antigen affinity purification	Observed MW: 48 kDa	
Immunogen Catalog Number:		

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human,mouse,rat

Cited Species:

human, mouse

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

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

IHC : human colon 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 cause of acyl-CoA dehydrogenase very long-chain deficiency (ACADVL). This antibody is specific to ACADL.

Notable Publications

Author	Pubmed ID	Journal	Application
De Huang	25242319	Cell Rep	WB, IHC
Dharendra Thapa	30323061	J Biol Chem	WB
Min Yan	29262542	Oncotarget	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

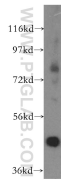
For technical support and original validation data for this product please contact:

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

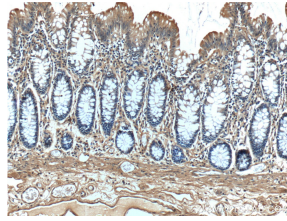
E: proteintech@ptglab.com
W: ptglab.com

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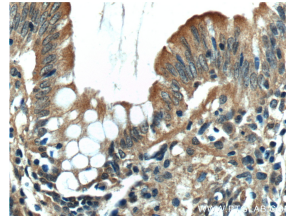
Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 17526-1-AP(ACADL-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human colon tissue slide using 17526-1-AP(ACADL-Specific Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human colon tissue slide using 17526-1-AP(ACADL-Specific Antibody) at dilution of 1:200 (under 40x lens).