

For Research Use Only

# ACAD10 Polyclonal antibody

Catalog Number: 17161-1-AP

1 Publications



## Basic Information

**Catalog Number:**

17161-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG10510

**GenBank Accession Number:**

BC015056

**GeneID (NCBI):**

80724

**UNIPROT ID:**

Q6JQN1

**Full Name:**

acyl-Coenzyme A dehydrogenase family, member 10

**Calculated MW:**

26 kDa, 119 kDa

**Observed MW:**

119 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**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 : mouse spleen tissue,

IHC : human pancreas tissue,

IF/ICC : HeLa cells,

## Background Information

ACAD10(Acyl-CoA dehydrogenase family member 10) belongs to the acyl-CoA dehydrogenase family. ACAD10 has significant activity towards the branched-chain substrates R and S, 2 methyl-C15-CoA and is highly expressed in fetal but not adult brain. This pattern of expression is similar to that of LCAD, another ACAD previously shown to be involved in long branched chain fatty acid metabolism(PMID:21237683). It has 4 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Stéphanie Paquay	39174697	Cell Mol Life Sci	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:

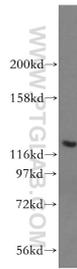
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

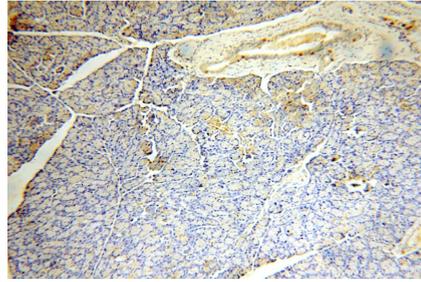
W: [ptgcn.com](http://ptgcn.com)

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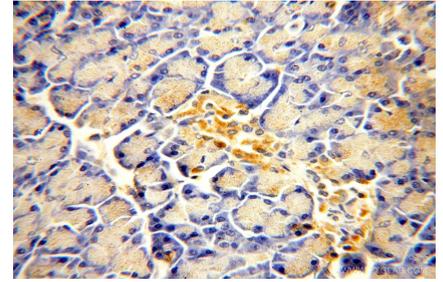
## Selected Validation Data



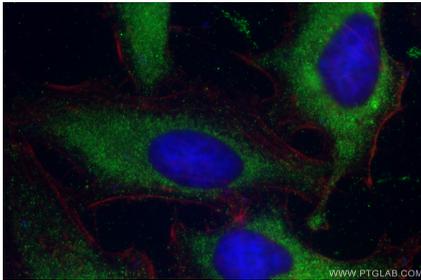
mouse spleen tissue were subjected to SDS PAGE followed by western blot with 17161-1-AP (ACAD10 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas using 17161-1-AP (ACAD10 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas using 17161-1-AP (ACAD10 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ACAD10 antibody (17161-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).