

ACOT9 Polyclonal antibody

Catalog Number: 15901-1-AP

Featured Product

2 Publications

Basic Information

Catalog Number:

15901-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8730

GenBank Accession Number:

BC012573

GeneID (NCBI):

23597

UNIPROT ID:

Q9Y305

Full Name:

acyl-CoA thioesterase 9

Calculated MW:

24 kDa, 49 kDa

Observed MW:

43-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

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: HEK-293 cells, MCF-7 cells, mouse heart tissue, mouse kidney tissue, rat kidney tissue

IHC: mouse kidney tissue, human kidney tissue, rat kidney tissue

Background Information

ACOT9 (Acyl-coenzyme A thioesterase 9) is a member of the acyl-CoA thioesterase superfamily, which is a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. ACOT9 has 4 isoforms with the molecular mass of 43-50 kDa.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|--------------|-------------|
| Bao Wang | 36004563 | Liver Int | IHC |
| Nneka Southwell | 37222423 | EMBO Mol Med | 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:

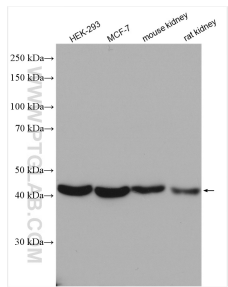
T: 4006900926

E: Proteintech-CN@ptglab.com

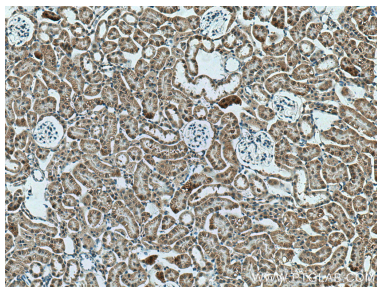
W: ptgcn.com

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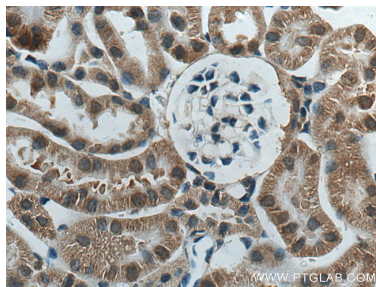
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15901-1-AP (ACOT9 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15901-1-AP (ACOT9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15901-1-AP (ACOT9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).