

For Research Use Only

# ACOT7 Polyclonal antibody

Catalog Number: 15972-1-AP

Featured Product

5 Publications



## Basic Information

Catalog Number:

15972-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8759

GenBank Accession Number:

BC017365

GeneID (NCBI):

11332

UNIPROT ID:

O00154

Full Name:

acyl-CoA thioesterase 7

Calculated MW:

370 aa, 40 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:3000-1:10000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293T cells, mouse brain tissue, human brain tissue, Jurkat cells, rat brain tissue

## Background Information

Acyl-CoA thioesterases are 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 (PubMed:10578051). Acyl-coenzyme A thioesterase 7/ACOT7 preferentially hydrolyzes palmitoyl-CoA, but has a broad specificity acting on other fatty acyl-CoAs with chain-lengths of C8-C18 (PubMed:10578051). May play an important physiological function in brain (PubMed:10578051). ACOT7 has 7 isoforms between 27-40 kDa, we can detect a band at 37 kDa. ACOT7 is high homology with ACOT7L, this antibody may also detect ACOT7L.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shengkai Pan	31227702	Nat Commun	
Xingming Xie	34993160	J Hepatocell Carcinoma	WB,IHC
Guang Zhang	36036847	In Vitro Cell Dev Biol Anim	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:

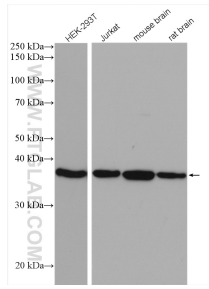
T: 4006900926

E: Proteintech-CN@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15972-1-AP (ACOT7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.