

For Research Use Only

ACOT7 Polyclonal antibody

Catalog Number: 15972-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

15972-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 173 ug/ml by Bradford method using BSA as the standard;

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, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, bovine

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

*** 20ul sizes contain 0.1% BSA

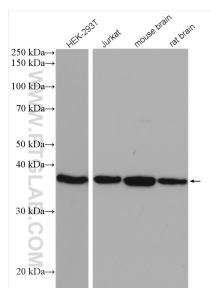
For technical support and original validation data for this product please contact:

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

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.