

# Human ACOT7 antibody

Catalog Number: ATGA0245

## PRODUCT INFORMATION

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**Catalog number**

ATGA0245

**Clone No.**

AT1D5

**Product type**

Monoclonal Antibody

**UnitProt No.**

O00154

**NCBI Accession No.**

NP\_009205

**Alternative Names**

Acyl-CoA thioesterase 7, ACH1, ACT, BACH, CTE-II, hBACH, LACH, LACH1, MGC1126, RP1-120G22

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human ACOT7 (1-370aa) purified from E. coli

**Isotype**

IgG2a kappa

**Purification Note**

By protein-A affinity chromatography

**Application**

ELISA, WB, ICC/IF, FACS

**Usage**

The antibody has been tested by ELISA, Western blot, ICC/IF and FACS analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

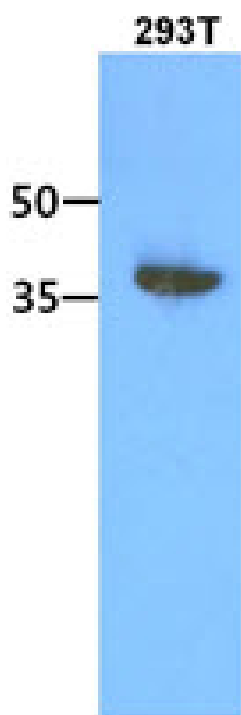
ACOT7 is a member of the acyl coenzyme family. This protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this protein may be associated with mesial temporal lobe epilepsy. Alternatively spliced transcript variants encoding distinct isoforms with different subcellular locations have been characterized.

### General References

Hunt MC., et al. (2005) J Lipid Res. 46, 2029-32.

## DATA

### Western blot analysis (WB)

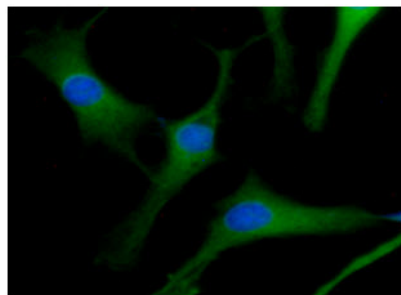


The 293T cell lysate (30ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACOT7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

### Immunocytochemistry/Immunofluorescence (ICC/IF)

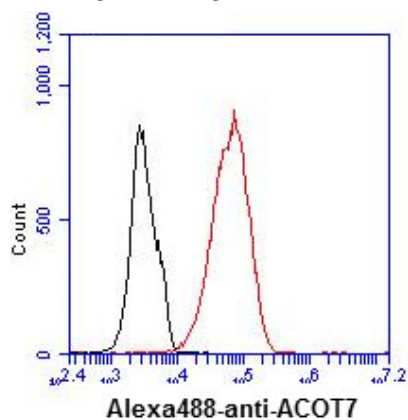
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ICC/IF analysis of ACOT7 in U87MG cells. The cell was stained with ATGA0245 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

### Flow cytometry (FACS)



Flow cytometry analysis of ACOT7 in 293T cell line, staining at 2-5ug for  $1 \times 10^6$  cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).