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Human ACOT7 antibody

Catalog Number: ATGA0245

PRODUCT INFORMATION

Catalog number

ATGA0245

Clone No.

AT1D5

Product type

Monoclonal Antibody

UnitProt No.

000154

NCBI Accession No.

NP 009205

Alternative Names

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

PRODUCT SPECIFICATION

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

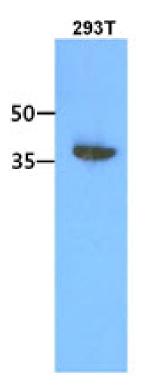
ACOT7 is a member of the acyl coenzyme family. This protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this protein may be associated with mesial temporal lobe epilepsy. Alternatively spliced transcript variants encoding distinct isoforms with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

General References

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

DATA

Western blot analysis (WB)



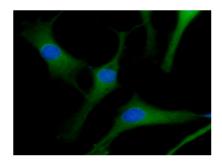
The 293T cell lysate (30ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACOT7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Immunocytochemistry/Immunofluorescence (ICC/IF)



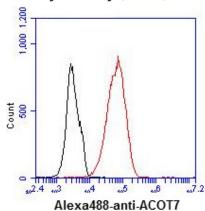
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ICC/IF analysis of ACOT7 in U87MG cells. The cell was stained with ATGA0245 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Flow cytometry (FACS)



Flow cytometry analysis of ACOT7 in 293T cell line, staining at 2-5ug for 1x10^6cells (red line). The secondary antibody used goat antimouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

