

Monoclonal anti-human ACOT7 antibody (clone AT1D5)

Mouse IgG_{2a}, κ

Cat. No. IBATGA0245

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

NCBI Accession No.: NP_009205

Isotype: Mouse IgG_{2a} heavy chain and κ light chain

Clone: Anti-human ACOT7 mAb, clone AT1D5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ACOT7 protein.

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.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol..

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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

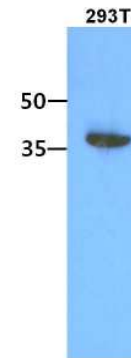
Application: ELISA, WB, ICC/IF, Flow cyt

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Product information

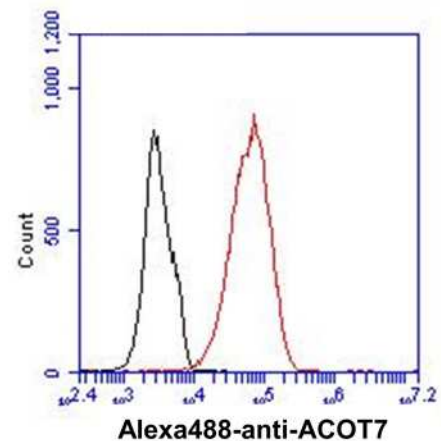
Western blot analysis

The 293T cell lysate (30ug) were 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.



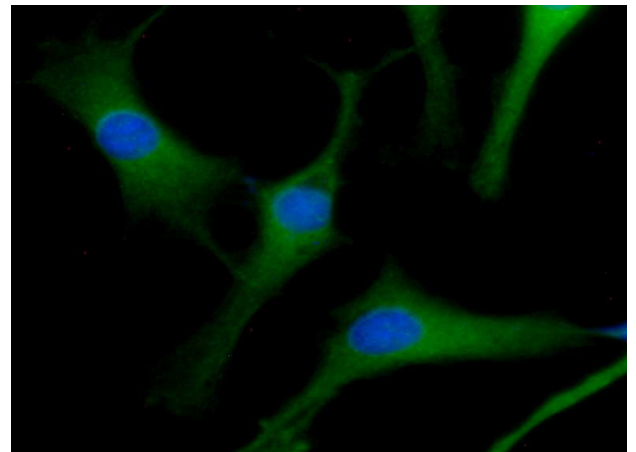
Flow cytometry

Flow cytometry analysis of ACOT7 in 293T cell line, staining at 2-5ug for 1x10⁶ cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



ICC/IF analysis

ICC/IF analysis of ACOT7 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACOT7 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



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

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