## **PRODUCT INFORMATION**

Catalog number ATGA0353

Clone No. AT4D10

**Product type** Monoclonal Antibody

**UnitProt No.** 014734

NCBI Accession No. NP\_005460

Alternative Names Acyl-coenzyme A thioesterase 8, hACTE-III, HNAACTE, the, PTE-1, PTE-2, PTE1, PTE2

## **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 ACOT8 (1-319aa) purified from E. coli

# Isotype

lgG2a 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.



### 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

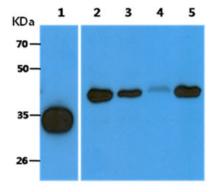
Acyl-coenzyme A thioesterase 8 is an enzyme that in humans is encoded by the ACOT8 gene. The protein encoded by this gene is a peroxisomal thioesterase that appears to be involved more in the oxidation of fatty acids rather than in their formation. The encoded protein can bind to the human immunodeficiency virus-1 protein Nef, and mediate Nef-induced down-regulation of CD4 in T-cells. Multiple transcript variants encoding several different isoforms have been found for this gene.

### **General References**

Jones JM., et al. (1999) J Biol Chem. 274(14): 9216-9223. Liu LX., et al.(1997) J Biol Chem. 272(21): 13779-13785.

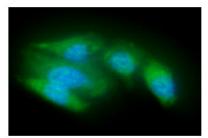
### DATA

### Western blot analysis (WB)



The recombinant Human ACOT8 (10ng) and cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACOT8 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant Human ACOT8 Lane 2.: Ramos cell lysate Lane 3.: A431 cell lysate Lane 4 : 293T cell lysate Lane 5 : A549 cell lysate

### Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of ACOT8 in A549 cells. The cell was stained with ATGA0353 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Flow cytometry (FACS)

NKMAXBiO we support you, we believe in your research Human ACOT8 antibody Catalog Number: ATGA0353

Alexa488-anti-ACOT8

Flow cytometry analysis of ACOT8 in CTLL-2 cell line, staining at 2-5ug for  $1\times10^{6}$  cells (red line). The secondary antibody used goat antimouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

