

Mouse anti-Human ACOT8 Monoclonal Antibody | anti-ACOT8 antibody

ACOT8 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48184	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

ACOT8; Monoclonal Antibody; ACOT8 antibody; Acyl-coenzyme A thioesterase 8; hACTE-III; HNAACTE; the; PTE-1; PTE-2; PTE1; PTE2; anti-ACOT8 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT4D10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	319
Applicable Applications for anti-ACOT8 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ACOT8 (1-319aa) purified from E. coli
Clone Note	Anti-human ACOT8 mAb, clone AT4D10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ACOT8 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ACOT8 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACOT8 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-ACOT8 antibody	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.
Product Categories/Family for anti-ACOT8 antibody	Signal TransductionM ; Metabolism ; Cancer ; Immunology
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34577075
NCBI GeneID	10005
NCBI Accession #	NP_005460
NCBI GenBank Nucleotide #	NM_005469.3
UniProt Accession #	O14734 ; O15261 ; Q17RX4
Molecular Weight	35,914 Da
NCBI Official Full Name	acyl-coenzyme A thioesterase 8
NCBI Official Synonym Full Names	acyl-CoA thioesterase 8
NCBI Official Symbol	ACOT8
NCBI Official Synonym Symbols	hTE; NAP1; PTE1; PTE2; PTE-1; PTE-2; HNAACTE; hACTE-III
NCBI Protein Information	acyl-coenzyme A thioesterase 8
UniProt Protein Name	Acyl-coenzyme A thioesterase 8
UniProt Gene Name	ACOT8
UniProt Synonym Gene Names	ACTEIII; PTE1; PTE2; Acyl-CoA thioesterase 8; PTE-1; hACTE-III; hACTEIII; hTE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.