

Mouse anti-Human ACOT7 Monoclonal Antibody | anti-ACOT7 antibody

ACOT7 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48110	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

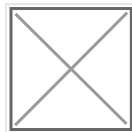
PRODUCT SYNONYMS

ACOT7; Monoclonal Antibody; ACOT7 antibody; Acyl-CoA thioesterase 7; ACH1; ACT; BACH; CTE-II; hBACH; LACH; LACH1; MGC1126; RP1-120G22; anti-ACOT7 antibody

PRODUCT SPECIFICATIONS

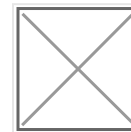
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	AT1D5
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	370
Applicable Applications for anti-ACOT7 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ACOT7 (1-370aa) purified from E. coli
Clone Note	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.
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 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).



WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-ACOT7 antibody	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.
Product Categories/Family for anti-ACOT7 antibody	Signal Transduction
References	Hunt MC., et al. (2005) J Lipid Res. 46, 2029-32.

NCBI AND UNIPROT INFORMATION

NCBI GI #	75709208
NCBI GeneID	11332
NCBI Accession #	NP_009205
NCBI GenBank Nucleotide #	NM_007274.3
UniProt Accession #	O00154; O43703; Q53Y78; Q5JYL2; Q5JYL3; Q5JYL4; Q5JYL5; A8K0K7; A8K232; A8K6B8; A8K837; B3KQ12
Molecular Weight	40,455 Da
NCBI Official Full Name	cytosolic acyl coenzyme A thioester hydrolase isoform hBACHa
NCBI Official Synonym Full Names	acyl-CoA thioesterase 7
NCBI Official Symbol	ACOT7
NCBI Official Synonym Symbols	ACT; ACH1; BACH; LACH; LACH1; hBACH; CTE-II
NCBI Protein Information	cytosolic acyl coenzyme A thioester hydrolase
UniProt Protein Name	Cytosolic acyl coenzyme A thioester hydrolase
UniProt Gene Name	ACOT7
UniProt Synonym Gene Names	BACH; BACH; CTE-II

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.