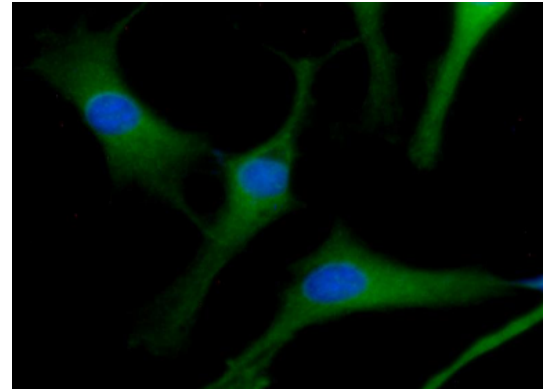


**AM50031PU-N****Monoclonal Antibody to ACOT7 / BACH (1-370) - Purified**

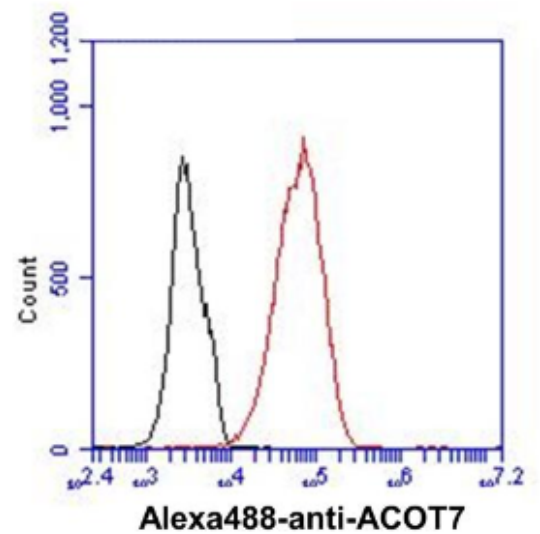
<b>Alternate names:</b>	Acyl-CoA thioesterase 7, Brain acyl-CoA hydrolase, Cytosolic acyl coenzyme A thioester hydrolase, Long chain acyl-CoA thioester hydrolase
<b>Quantity:</b>	0.1 ml
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	ACOT7 is a member of the acyl coenzyme family. This protein hydrolyzes 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.
<b>Uniprot ID:</b>	<a href="#">O00154</a>
<b>NCBI:</b>	<a href="#">NP_009205</a>
<b>GeneID:</b>	<a href="#">11332</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype</b>	AM03096PU-N
<b>Controls:</b>	
<b>Clone:</b>	AT1D5
<b>Immunogen:</b>	Recombinant human ACOT7 (1-370aa) purified from <i>E. coli</i>
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein-A affinity chromatography <b>Buffer System:</b> PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
<b>Applications:</b>	<b>ELISA.</b> <b>Western blot:</b> 1/500-1/2000 (starting dilution is 1/1000). <b>Immunocytochemistry / Immunofluorescence.</b> <b>Flow cytometry.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human ACOT7 / BACH at aa1-370. Other species not tested.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Hunt MC, Yamada J, Maltais LJ, Wright MW, Podesta EJ, Alexson SE. A revised nomenclature for mammalian acyl-CoA thioesterases/hydrolases. <i>J Lipid Res.</i> 2005 Sep;46(9):2029-32. Epub 2005 Jul 1. PubMed PMID: 16103133.

**Pictures:**

**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).



Flow cytometry analysis of ACOT7 in 293T cell line, staining at 2-5ug for  $1 \times 10^6$  cells (red line). The secondary antibody used goat anti mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



**Western blot analysis:** The 293T cell lysate (30 ug) 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.

