

## Product datasheet for **AM50031PU-N**

### ACOT7 (1-370) Mouse Monoclonal Antibody [Clone ID: AT1D5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1D5
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot:</b> 1/500-1/2000 (starting dilution is 1/1000). <b>Immunocytochemistry / Immunofluorescence.</b> <b>Flow cytometry.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human ACOT7 (1-370aa) purified from <i>E. coli</i>
Specificity:	This antibody recognizes Human ACOT7 / BACH at aa1-370. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	acyl-CoA thioesterase 7
Database Link:	<a href="#">Entrez Gene 11332 Human</a> <a href="#">O00154</a>



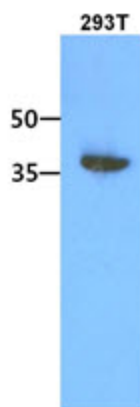
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**Background:** ACOT7 is a member of the acyl coenzyme family. This protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this protein may be associated with mesial temporal lobe epilepsy. Alternatively spliced transcript variants encoding distinct isoforms with different subcellular locations have been characterized.

**Synonyms:** Acyl-CoA thioesterase 7, Brain acyl-CoA hydrolase

**Protein Pathways:** Biosynthesis of unsaturated fatty acids

**Product images:**



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.