

Product datasheet for **LY300016**

ACAA2 Human Knockdown Lysate

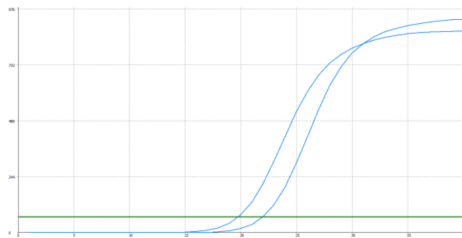
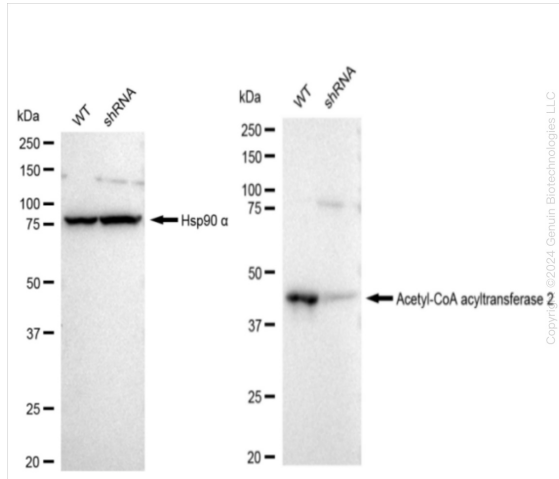
Product data:

| | |
|-------------------|--|
| Product Type: | Knockdown Lysates |
| Description: | WB-validated ACAA2 Knockdown HeLa Cell Lysate |
| Species: | Human |
| Expression Host: | HeLa |
| Tag: | Tag Free |
| Synonyms: | ACAA2; Acetyl-CoA Acyltransferase 2; DSAEC 2; Mitochondrial 3-Oxoacyl-Coenzyme A Thiolase 2; 3-Ketoacyl-CoA Thiolase, Mitochondrial; Mitochondrial 3-Oxoacyl-CoA Thiolase; Acetyl-Coenzyme A Acyltransferase 2; Acyl-CoA Hydrolase, Mitochondrial; Acetyl-CoA Acetyltransferase; EC 2.3.1.16; T1; Acetyl-CoA Acyltransferase; Beta Ketothiolase; Beta-Ketothiolase; EC 2.3.1.9; EC 3.1.2.-; EC 3.1.2.1; EC 3.1.2.2; EC 2.3.1 |
| Predicted MW: | 42 kDa |
| Components: | 1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug ACAA2 KD HeLa cell lysate |
| Storage: | Store at -20 °C for two years. |
| Concentration: | Lot-specific |
| Buffer: | IntactProtein Cell-Tissue Lysis buffer |
| Locus ID: | 10449 |
| UniProt ID: | P42765 |
| Protein Pathways: | Fatty acid elongation in mitochondria, Fatty acid metabolism, Metabolic pathways, Valine, leucine and isoleucine degradation |



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Product images:



| Genotype | Ct Value |
|---------------------------------|----------|
| Wild-Type | 19.59 |
| Knock-Down | 21.94 |
| $\Delta Ct (Ct_{KD} - Ct_{WT})$ | 2.35 |
| % mRNA Reduction | ↓ 80% |

RT-qPCR analysis. HeLa cells were infected with ACAA2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.