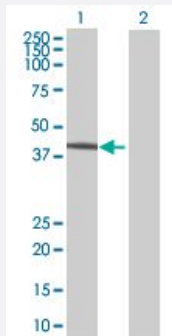


ACAT2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000039-T01

Size 100 uL

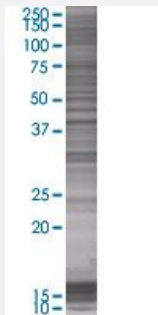
Applications



Western Blot

Lane 1: ACAT2 transfected lysate (43.78 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

ACAT2 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACAT2 full-length
Host	Human
Theoretical MW (kDa)	43.78
Interspecies Antigen Sequence	Mouse (87); Rat (84)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACAT2 antibody ([H00000039-B01](#)) by Western Blots.

Western Blot

Lane 1: ACAT2 transfected lysate (43.78 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

ACAT2 transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ACAT2

Entrez GeneID[39](#)**GeneBank Accession#**[BC000408.2](#)**Protein Accession#**[AAH00408.1](#)**Gene Name**

ACAT2

Gene Alias

-

Gene Description

acetyl-Coenzyme A acetyltransferase 2

Omim ID[100678](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The product of this gene is an enzyme involved in lipid metabolism, and it encodes cytosolic acetoacetyl-CoA thiolase. This gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation. [provided by RefSeq]

Other Designations

OTTHUMP00000017527|acetoacetyl Coenzyme A thiolase|cytosolic acetoacetyl-CoA thiolase

Pathway

- [Benzoate degradation via CoA ligation](#)
- [Butanoate metabolism](#)
- [Fatty acid metabolism](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)
- [Synthesis and degradation of ketone bodies](#)
- [Terpenoid backbone biosynthesis](#)
- [Tryptophan metabolism](#)
- [Valine](#)

Disease

- [Alzheimer Disease](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)

- [Hyperlipidemias](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Werner syndrome](#)