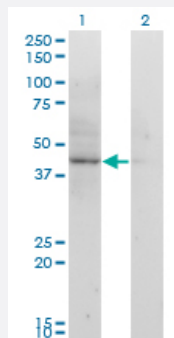


ACAT2 monoclonal antibody (M01), clone 4A5

Catalog # H00000039-M01

Size 100 ug

Applications

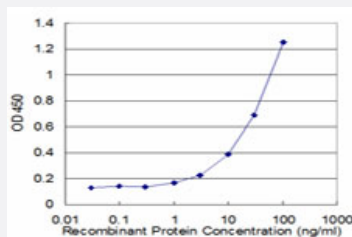


Western Blot (Transfected lysate)

Western Blot analysis of ACAT2 expression in transfected 293T cell line by ACAT2 monoclonal antibody (M01), clone 4A5.

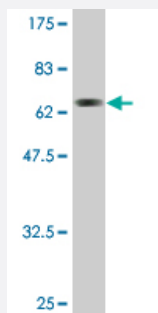
Lane 1: ACAT2 transfected lysate (41.4 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACAT2 is approximately 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (69.41 KDa).

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ACAT2.

Immunogen	ACAT2 (AAH00408, 1 a.a. ~ 397 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNAGSDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKEVLKRA TVAPEDVSEVIFGHVLAAGCG QNPVRQASVGAGIPYSVPAWSCQMICGSLKAVCLAVQSIGIGDSSIVAGGMENMSKAPHLAYL RTGVKIGEMPLTDSILCDGLTDAFHNCHMGITAENVAKKWQVSREDQDKVAVLSQNR TENAQKA GHFDKEIMPVLVSTRRLIEVKTDEFPRHGSNIEAMSKLPYFLTDGTGTVTPANASGINDGAAAV VLMKKSEADKRGLTPLARIVWSQVGVEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAFAAVS AAVKELGLNPEKVNIEGGAIALGHPLGASGCRILVTLLHTLERMGRSRGVAALCIGGGMGIAMCVQ RE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (84)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (69.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ACAT2 expression in transfected 293T cell line by ACAT2 monoclonal antibody (M01), clone 4A5.

Lane 1: ACAT2 transfected lysate(41.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACAT2 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ACAT2

Entrez GeneID	39
GeneBank Accession#	BC000408
Protein Accession#	AAH00408
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 acet oacetyl-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, a s 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](#)