ACAT2 rabbit monoclonal antibody

Catalog # H00000039-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ACAT2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ACAT2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ACAT2 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- ELISA

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- Western Blot (Transfected lysate)

  Protocol Download

Gene Info — ACAT2

Entrez GeneID	39
GeneBank Accession#	ACAT2
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

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- 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

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