

# MCAT rabbit monoclonal antibody

Catalog # H00027349-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human MCAT peptide using ARM Technology.
Immunogen	A synthetic peptide of human MCAT 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 ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human MCAT peptide by ELISA and mammalian transfected lysate by Western 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 including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — MCAT

Entrez GeneID	<a href="#">27349</a>
GeneBank Accession#	<a href="#">MCAT</a>
Gene Name	MCAT
Gene Alias	FASN2C, MCT, MGC47838, MT, fabD
Gene Description	malonyl CoA:ACP acyltransferase (mitochondrial)
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is found exclusively in the mitochondrion, where it catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	malonyl-CoA:acyl carrier protein transacylase, mitochondrial mitochondrial malonyltransferase

## Pathway

- [Fatty acid biosynthesis](#)
- [Metabolic pathways](#)

## Disease

- [Disease Susceptibility](#)
- [Kidney Failure](#)
- [Prostatic Neoplasms](#)