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MCAT Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17266b

Specification

MCAT Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8IVS2
Other Accession	NP_775738.3, NP_055322.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42962**
Antigen Region	**316-344**

MCAT Antibody (C-term) - Additional Information

Gene ID 27349

Other Names
Malonyl-CoA-acyl carrier protein transacylase, mitochondrial, MCT, Mitochondrial malonyl CoA:ACP acyltransferase, Mitochondrial malonyltransferase, [Acyl-carrier-protein] malonyltransferase, MCAT, MT

Target/Specificity
This MCAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-344 amino acids from the C-terminal region of human MCAT.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MCAT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MCAT Antibody (C-term) - Protein Information

Name MCAT (HGNC:29622)

Synonyms MT

Function Catalyzes the transfer of a malonyl moiety from malonyl-CoA to the free thiol group of the phosphopantetheine arm of the mitochondrial ACP protein (NDUFAB1). This suggests the existence of the biosynthesis of fatty acids in mitochondria.

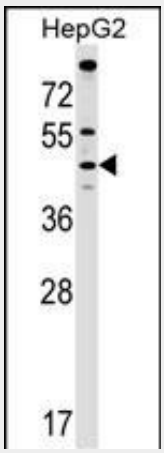
Cellular Location
Mitochondrion.

MCAT Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MCAT Antibody (C-term) - Images



MCAT Antibody (C-term) (Cat. #AP17266b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the MCAT antibody detected the MCAT protein (arrow).

MCAT Antibody (C-term) - Background

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.

MCAT Antibody (C-term) - References

Kim, S.T., et al. Prostate 70(16):1729-1738(2010)

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Kuhl, J.E., et al. Am. J. Physiol. Endocrinol. Metab. 290 (6), E1296-E1303 (2006) :
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