

MCAT Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17266b**Specification**

MCAT Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8IVS2](#)**MCAT Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MCAT Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MCAT Antibody (C-term) Blocking Peptide - Images**MCAT Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - References

Kim, S.T., et al. Prostate 70(16):1729-1738(2010) Eeles, R.A., et al. Nat. Genet. 41(10):1116-1121(2009) Ma, J., et al. Atherosclerosis 191(1):63-72(2007) Kuhl, J.E., et al. Am. J. Physiol. Endocrinol. Metab. 290 (6), E1296-E1303 (2006) :Zhang, L., et al. J. Biol. Chem. 278(41):40067-40074(2003)