

ETFB Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6900b**Specification**

ETFB Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P38117](#)**ETFB Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2109**Other Names**

Electron transfer flavoprotein subunit beta, Beta-ETF, ETFB

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.

ETFB Antibody (C-term) Blocking Peptide - Protein Information**Name** ETFB ([HGNC:3482](#))**Function**

Heterodimeric electron transfer flavoprotein that accepts electrons from several mitochondrial dehydrogenases, including acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase (PubMed: [25416781](http://www.uniprot.org/citations/25416781), PubMed: [15159392](http://www.uniprot.org/citations/15159392), PubMed: [15975918](http://www.uniprot.org/citations/15975918)). It transfers the electrons to the main mitochondrial respiratory chain via ETF- ubiquinone oxidoreductase (Probable). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed: [12815589](http://www.uniprot.org/citations/12815589), PubMed: [7912128](http://www.uniprot.org/citations/7912128)). ETFB binds an AMP molecule that probably has a purely structural role (PubMed: [8962055](http://www.uniprot.org/citations/8962055), PubMed: [15159392](http://www.uniprot.org/citations/15159392), PubMed: [15975918](http://www.uniprot.org/citations/15975918)).

Cellular Location

Mitochondrion matrix

Tissue Location

Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.

ETFB Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ETFB Antibody (C-term) Blocking Peptide - Images**ETFB Antibody (C-term) Blocking Peptide - Background**

ETFB encodes electron-transfer-flavoprotein, beta polypeptide, which shuttles electrons between primary flavoprotein dehydrogenases involved in mitochondrial fatty acid and amino acid catabolism and the membrane-bound electron transfer flavoprotein ubiquinone oxidoreductase. The gene deficiencies have been implicated in type II glutaricaciduria.

ETFB Antibody (C-term) Blocking Peptide - References

Ohkuma, A., et al. Muscle Nerve 39(3):333-342(2009)Henriques, B.J., et al. J. Biol. Chem. 284(7):4222-4229(2009)Schiff, M., et al. Mol. Genet. Metab. 88(2):153-158(2006)