

Goat anti-ETFB (aa 231-243), Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4403a**Specification**

Goat anti-ETFB (aa 231-243), Biotinylated Antibody - Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	P38117
Other Accession	NP_001976.1 , NP_001014763.1
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	27844

Goat anti-ETFB (aa 231-243), Biotinylated Antibody - Additional Information**Gene ID** 2109**Other Names**

ETFB; electron transfer flavoprotein beta subunit; FP585; MADD; beta-ETF; electron transfer flavoprotein beta-subunit; electron transfer flavoprotein, beta polypeptide; electron-transfer-flavoprotein, beta polypeptide; electron-transferring-flavoprotein,

Dilution

WB~~1:1000
IHC~~1:100~500
Pep-ELISA~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

This antibody is expected to recognize both reported isoforms (NP_001976.1; NP_001014763.1).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-ETFB (aa 231-243), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-ETFB (aa 231-243), Biotinylated Antibody - 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: [15159392](http://www.uniprot.org/citations/15159392)), (PubMed: [15975918](http://www.uniprot.org/citations/15975918)), (PubMed: [25416781](http://www.uniprot.org/citations/25416781)). 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: [15159392](http://www.uniprot.org/citations/15159392), PubMed: [15975918](http://www.uniprot.org/citations/15975918), PubMed: [8962055](http://www.uniprot.org/citations/8962055)).

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.

Goat anti-ETFB (aa 231-243), Biotinylated Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-ETFB (aa 231-243), Biotinylated Antibody - Images