

ETFB Antibody (aa152-165)
Goat Polyclonal Antibody
Catalog # ALS15789**Specification**

ETFB Antibody (aa152-165) - Product Information

Application	WB, IHC-P, E
Primary Accession	P38117
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	28kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

ETFB Antibody (aa152-165) - Additional Information**Gene ID** 2109**Other Names**

Electron transfer flavoprotein subunit beta, Beta-ETF, ETFB

Target/Specificity

Human ETFB. This antibody is expected to recognize both reported isoforms (NP_001976.1; NP_001014763.1). Amino acid numbering in the name above refers to NP_001976.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

ETFB Antibody (aa152-165) is for research use only and not for use in diagnostic or therapeutic procedures.

ETFB Antibody (aa152-165) - 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, PubMed:15975918, PubMed: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, PubMed:7912128).

target="_blank">7912128). ETFB binds an AMP molecule that probably has a purely structural role (PubMed:15159392, PubMed:15975918, PubMed:8962055).

Cellular Location

Mitochondrion matrix

Tissue Location

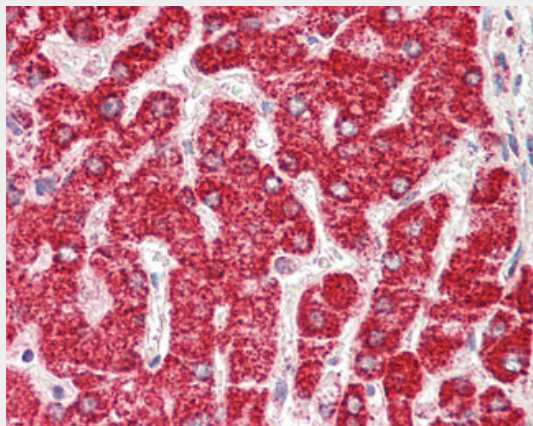
Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.

ETFB Antibody (aa152-165) - Protocols

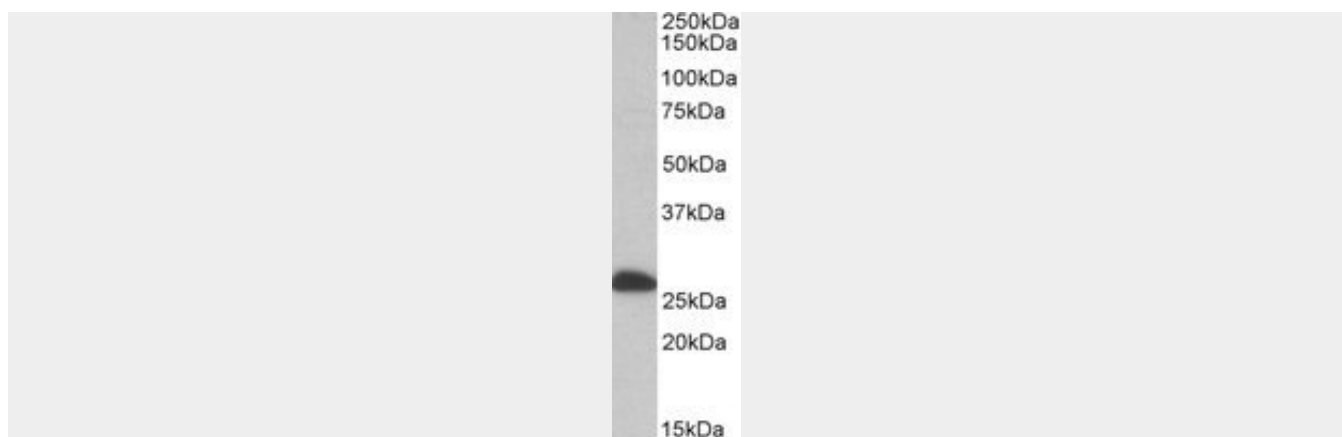
Provided below are standard protocols that you may find useful for product applications.

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

ETFB Antibody (aa152-165) - Images



Anti-ETFB antibody IHC staining of human liver.



ETFB antibody (0.1 ug/ml) staining of Human Liver lysate (35 ug protein/ml in RIPA buffer).

ETFB Antibody (aa152-165) - Background

The electron transfer flavoprotein serves as a specific electron acceptor for several dehydrogenases, including five acyl- CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase. It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase).

ETFB Antibody (aa152-165) - References

- Finocchiaro G.,et al.Eur. J. Biochem. 213:1003-1008(1993).
Olsen R.K.J.,et al.Hum. Mutat. 22:12-23(2003).
Wan D.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).