

ETFB / FP585 (aa 152-165) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3255a**Specification**

ETFB / FP585 (aa 152-165) Antibody (internal region) - Product Information

Application	WB, IHC, E
Primary Accession	P38117
Other Accession	NP_001976.1 , NP_001014763.1 , 2109 , 110826 (mouse), 292845 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	27844

ETFB / FP585 (aa 152-165) Antibody (internal region) - Additional Information**Gene ID** 2109**Other Names**

Electron transfer flavoprotein subunit beta, Beta-ETF, ETFB

DilutionWB~~1:1000
IHC~~1:100~500
E~~N/A**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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

ETFB / FP585 (aa 152-165) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ETFB / FP585 (aa 152-165) Antibody (internal region) - 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). ETFB binds an AMP molecule that probably has a purely structural role (PubMed:15159392, PubMed:15975918, PubMed:8962055).

Cellular Location

Mitochondrion matrix

Tissue Location

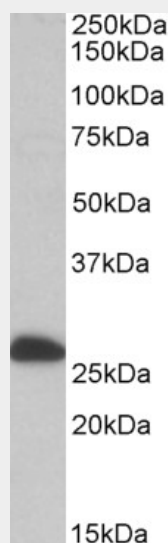
Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.

ETFB / FP585 (aa 152-165) Antibody (internal region) - Protocols

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

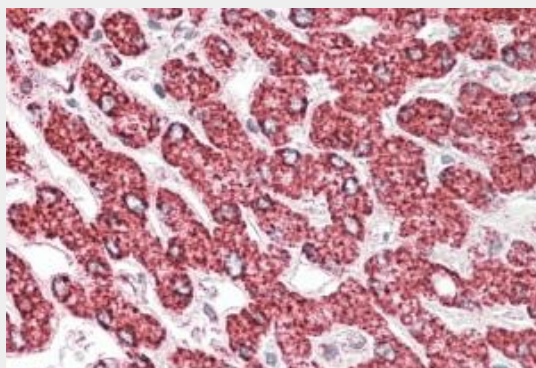
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ETFB / FP585 (aa 152-165) Antibody (internal region) - Images



AF3255a (0.1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary

incubation was 1 hour. Detected by chemiluminescence.



AF3255a (3.8 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

ETFB / FP585 (aa 152-165) Antibody (internal region) - Background

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).

ETFB / FP585 (aa 152-165) Antibody (internal region) - References

Clinical and genetic analysis of lipid storage myopathies. Ohkuma A, Noguchi S, Sugie H, Malicdan MC, Fukuda T, Shimazu K, LÃ³pez LC, Hirano M, Hayashi YK, Nonaka I, Nishino I, Muscle & nerve 2009 Mar 39 (3): 333-42. PMID: 19208393