

**ETFa (aa139-152) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3257a**Specification****ETFa (aa139-152) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P13804</a>
Other Accession	<a href="#">NP_000117.1</a> , <a href="#">NP_001121188.1</a> , <a href="#">2108</a> , <a href="#">110842 (mouse)</a> , <a href="#">300726 (rat)</a>
Reactivity	Human, Mouse, Rat
Predicted	Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	35080

**ETFa (aa139-152) Antibody (internal region) - Additional Information****Gene ID** 2108**Other Names**

Electron transfer flavoprotein subunit alpha, mitochondrial, Alpha-ETF, ETFa

**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**

ETFa (aa139-152) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**ETFa (aa139-152) Antibody (internal region) - Protein Information****Name** ETFa**Function**Heterodimeric electron transfer flavoprotein that accepts electrons from several mitochondrial dehydrogenases, including acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase (PubMed: [10356313](http://www.uniprot.org/citations/10356313), PubMed: [15159392](http://www.uniprot.org/citations/15159392), PubMed: [15975918](http://www.uniprot.org/citations/15975918), PubMed: [27499296](http://www.uniprot.org/citations/27499296)),

PubMed:<a href="http://www.uniprot.org/citations/9334218" target="\_blank">9334218</a>). It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase) (PubMed:<a href="http://www.uniprot.org/citations/9334218" target="\_blank">9334218</a>). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed:<a href="http://www.uniprot.org/citations/12815589" target="\_blank">12815589</a>, PubMed:<a href="http://www.uniprot.org/citations/1430199" target="\_blank">1430199</a>, PubMed:<a href="http://www.uniprot.org/citations/1882842" target="\_blank">1882842</a>).

#### Cellular Location

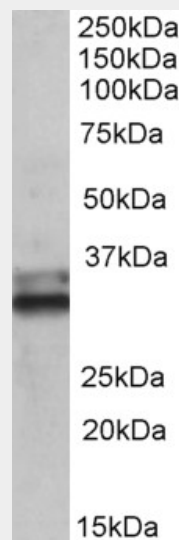
Mitochondrion matrix.

#### ETFFA (aa139-152) 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](#)

#### ETFFA (aa139-152) Antibody (internal region) - Images



AF3257a (0.1 µg/ml) staining of Human Colon lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### ETFFA (aa139-152) Antibody (internal region) - Background

This antibody is expected to recognize both isoforms (NP\_000117.1; NP\_001121188.1). Amino acid numbering in name refers to NP\_000117.1 sequence)

#### ETFFA (aa139-152) Antibody (internal region) - References

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