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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	P13804
Other Accession	NP_000117.1, NP_001121188.1, 2108, 110842 (mouse), 300726 (rat)
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, PubMed:15159392, PubMed:15975918, PubMed:27499296,

PubMed:9334218). It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase) (PubMed:9334218). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed:12815589, PubMed:1430199, PubMed:1882842).

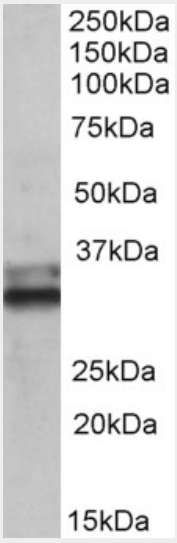
Cellular Location
Mitochondrion matrix.

ETFA (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 Cytomety
- Cell Culture

ETFA (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.

ETFA (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)

ETFA (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, LÃ³pez LC, Hirano M, Hayashi YK, Nonaka I, Nishino I, Muscle & nerve 2009 Mar 39 (3): 333-42. PMID: 19208393