Datasheet for ABIN952127

anti-ETFA antibody (C-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	ETFA
Binding Specificity:	AA 283-311, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ETFA antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 283-311 amino acids from the C-terminal region of human ETFA
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse ETFA (C-term).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	ETFA
Alternative Name:	ETFA (ETFA Products)

Target Details

Background:	ETFA participates in catalyzing the initial step of the mitochondrial fatty acid beta-oxidation. It shuttles electrons between primary flavoprotein dehydrogenases and the membrane-bound electron transfer flavoprotein ubiquinone oxidoreductase. Defects in electron-transfer-flavoprotein have been implicated in type II glutaricaciduria in which multiple acyl-CoA dehydrogenase deficiencies result in large excretion of glutaric, lactic, ethylmalonic, butyric, isobutyric, 2-methyl-butyric, and isovaleric acids. Two transcript variants encoding different isoforms have been found for this gene.Synonyms: Alpha-ETF, Electron transfer flavoprotein subunit alpha
Molecular Weight:	35080 Da
Gene ID:	2108
NCBI Accession:	NP_000117
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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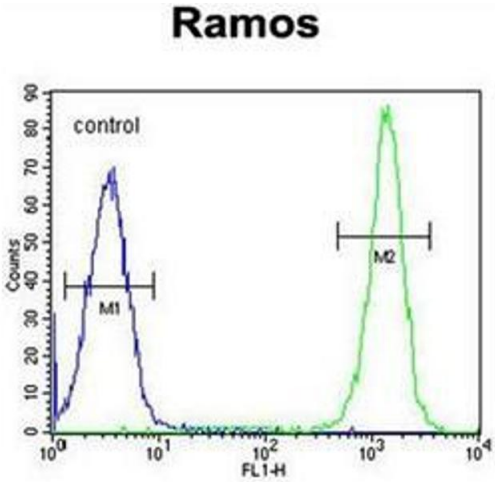
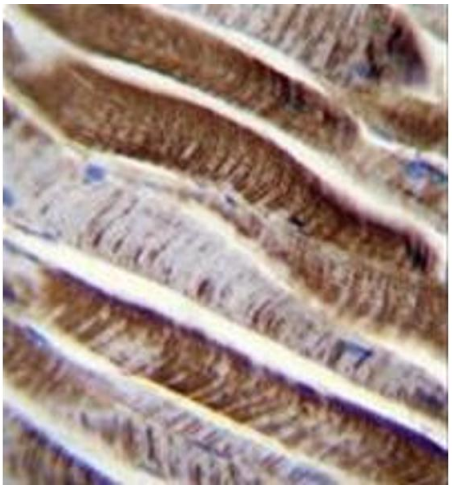


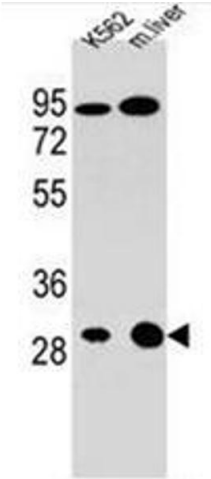
Flow Cytometry

Image 1. Flow cytometric analysis of Ramos cells using ETFA Antibody (C-term) Cat.-No AP51468PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin fixed and paraffin embedded human skeletal muscle reacted with ETFA Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 3. Western blot analysis of ETFA Antibody (C-term) Cat.-No AP51468PU-N in K562 cell line and mouse liver tissue lysates (35ug/lane). This demonstrates the ETFA antibody detected the ETFA protein (arrow).

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