

KD-Validated Anti-ETFA Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI1952

Specification

KD-Validated Anti-ETFA Mouse Monoclonal Antibody - Product Information

Application	WB
Primary Accession	P13804
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	Predicted, 35 kDa, observed, 30 kDa kDa
Gene Name	ETFA
Aliases	ETFA; Electron Transfer Flavoprotein Subunit Alpha; MADD; GA2; EMA; Electron Transfer Flavoprotein Subunit Alpha, Mitochondrial; Multiple Acyl-CoA Dehydrogenase Deficiency; Glutaric Aciduria II; Alpha-ETF; Electron-Transfer-Flavoprotein, Alpha Polypeptide; Electron Transfer Flavoprotein, Alpha Polypeptide; Electron Transfer Flavoprotein Alpha Subunit; Epididymis Secretory Sperm Binding Protein
Immunogen	Recombinant protein of human ETFA

KD-Validated Anti-ETFA Mouse Monoclonal Antibody - Additional Information

Gene ID	2108
Other Names	
Electron transfer flavoprotein subunit alpha, mitochondrial, Alpha-ETF, ETFA	

KD-Validated Anti-ETFA Mouse Monoclonal Antibody - 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: [9334218](http://www.uniprot.org/citations/9334218)). It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase) (PubMed: [9334218](http://www.uniprot.org/citations/9334218)). Required for

normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed:12815589, PubMed:1430199, PubMed:1882842).

Cellular Location

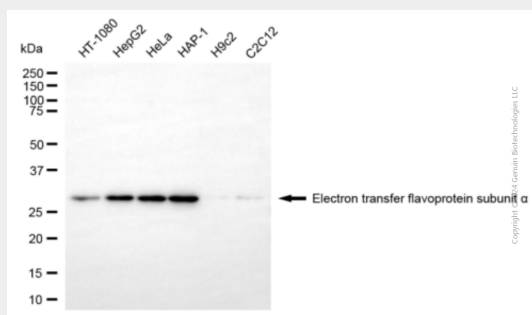
Mitochondrion matrix.

KD-Validated Anti-ETFA Mouse Monoclonal Antibody - Protocols

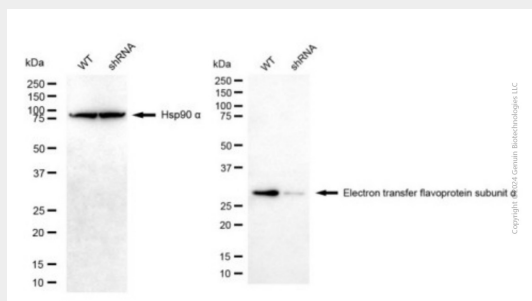
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-ETFA Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-electron transfer flavoprotein subunit alpha antibody (Cat#AGI1952). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-electron transfer flavoprotein subunit alpha antibody (Cat#AGI1952, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-electron transfer flavoprotein subunit alpha antibody (Cat#AGI1952). Electron transfer flavoprotein subunit alpha (ETFA) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-electron transfer flavoprotein subunit alpha antibody (Cat#AGI1952, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.

