10320 Camino Santa Fe, Suite G
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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, 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).

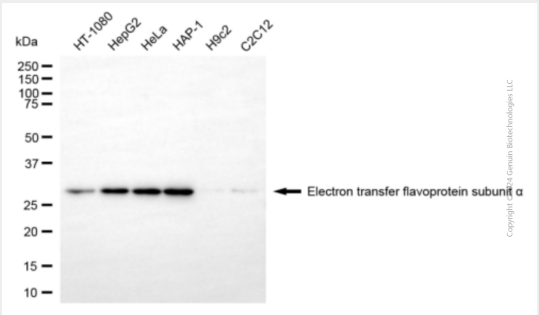
Cellular Location
Mitochondrion matrix.

KD-Validated Anti-ETFA Mouse Monoclonal Antibody - Protocols

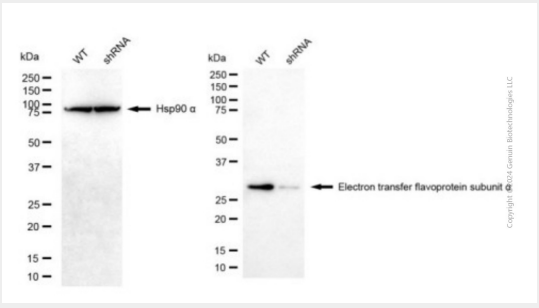
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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 expression in wild type (WT) and 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.

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