

**ETFDH Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6877a****Specification**

---

**ETFDH Antibody (N-term) - Product Information**

Application	FC, WB, IHC-P,E
Primary Accession	<a href="#">Q16134</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68495
Antigen Region	32-61

**ETFDH Antibody (N-term) - Additional Information****Gene ID** 2110**Other Names**

Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial, ETF-QO, ETF-ubiquinone oxidoreductase, Electron-transferring-flavoprotein dehydrogenase, ETF dehydrogenase, ETFDH

**Target/Specificity**

This ETFDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 32-61 amino acids from the N-terminal region of human ETFDH.

**Dilution**

FC~~1:10~50

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ETFDH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ETFDH Antibody (N-term) - Protein Information****Name** ETFDH ([HGNC:3483](#))

**Function** Accepts electrons from ETF and reduces ubiquinone.

**Cellular Location**

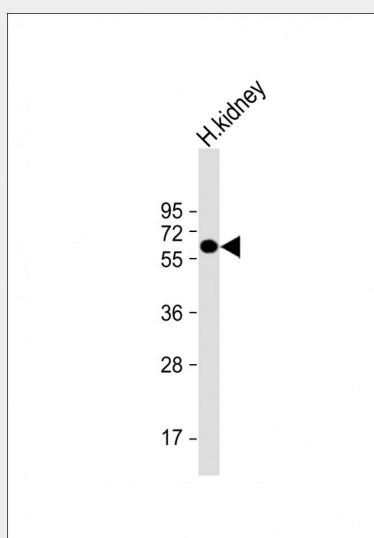
Mitochondrion inner membrane.

**ETFDH Antibody (N-term) - Protocols**

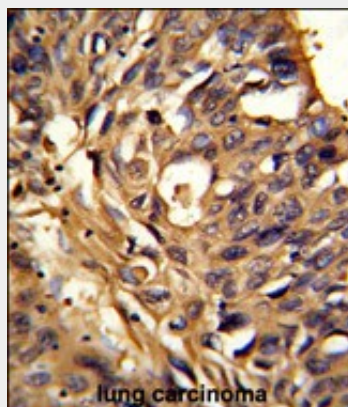
Provided below are standard protocols that you may find useful for product applications.

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

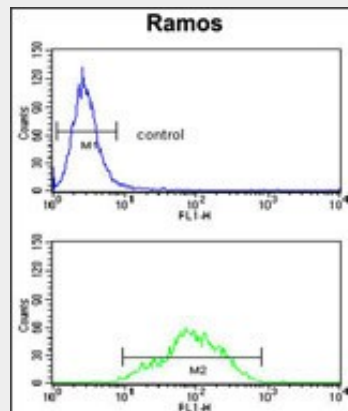
**ETFDH Antibody (N-term) - Images**



Anti-ETFDH Antibody (N-term) at 1:1000 dilution + H. kidney whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with ETFDH Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



ETFDH Antibody (N-term) (Cat. #AP6877a) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **ETFDH Antibody (N-term) - Background**

Electron-transferring-flavoprotein dehydrogenase in the inner mitochondrial membrane accepts electrons from electron-transfer flavoprotein which is located in the mitochondrial matrix and reduces ubiquinone in the mitochondrial membrane. The protein is synthesized as a 67-kDa precursor which is targeted to mitochondria and processed in a single step to a 64-kDa mature form located in the mitochondrial membrane. Deficiency in electron-transferring-flavoprotein dehydrogenase have been demonstrated in some patients with type II glutaric acidemia.

#### **ETFDH Antibody (N-term) - References**

Olsen, R.K., et al., Hum. Mutat. 22 (1), 12-23 (2003)