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ETFDH Rabbit pAb

Catalog # AP98766

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q16134
Other Accession	Q16134
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68495
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ETFDH
Epitope Specificity	41-150/617
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ETF-QO/fixC family. Contains 1 4Fe-4S ferredoxin-type domain.
SUBUNIT	Monomer.
DISEASE	Defects in ETFDH are the cause of glutaric aciduria type 2C (GA2C) [MIM:231680]. GA2C is an autosomal recessively inherited disorder of fatty acid, amino acid, and choline metabolism. It is characterized by multiple acyl-CoA dehydrogenase deficiencies resulting in large excretion not only of glutaric acid, but also of lactic, ethylmalonic, butyric, isobutyric, 2-methyl-butyric, and isovaleric acids.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 glutaricacidemia. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	2110
Other Names	ETFQO; MADD; 0610010I20Rik; ETFD_BOVIN; ETFDH; ETF-QO; ETF-ubiquinone oxidoreductase; Electron-transferring-flavoprotein dehydrogenase (ETF dehydrogenase); 1.5.5.1; ETFD_HUMAN; ETFD_MOUSE; ETFD_RAT; electron transfer flavoprotein dehydrogenase; electron-transferring-flavoprotein dehydrogenase
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-

	500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ETFDH (HGNC:3483)
Function	Links fatty acid beta-oxidation and amino acid catabolism to the respiratory chain by transferring electrons from the electron transfer flavoprotein (ETF) to ubiquinone.
Cellular Location	Mitochondrion inner membrane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.