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Goat anti-ETFB (aa 231-243), Biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4403a

Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	P38117
Other Accession	NP_001976.1, NP_001014763.1
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	ETFB
Calculated MW	27844

Additional Information

Gene ID	2109
Other Names	ETFB; electron transfer flavoprotein beta subunit; FP585; MADD; beta-ETF; electron transfer flavoprotein beta-subunit; electron transfer flavoprotein, beta polypeptide; electron-transfer-flavoprotein, beta polypeptide; electron-transferring-flavoprotein,
Dilution	WB~~1:1000 IHC~~1:100~500 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Immunogen	This antibody is expected to recognize both reported isoforms (NP_001976.1; NP_001014763.1).
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-ETFB (aa 231-243), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ETFB (HGNC:3482)
Function	Heterodimeric electron transfer flavoprotein that accepts electrons from several mitochondrial dehydrogenases, including acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase (PubMed:15159392, PubMed:15975918, PubMed:25416781). It transfers the electrons to the main

	mitochondrial respiratory chain via ETF- ubiquinone oxidoreductase (Probable). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed:12815589, PubMed:7912128). ETFB binds an AMP molecule that probably has a purely structural role (PubMed:15159392, PubMed:15975918, PubMed:8962055).
Cellular Location	Mitochondrion matrix
Tissue Location	Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.

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