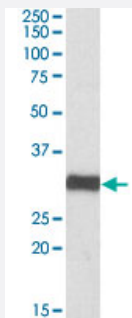


ETFA polyclonal antibody

Catalog # PAB19028

Size 100 ug

Applications



Western Blot (Tissue lysate)

ETFA polyclonal antibody (Cat # PAB19028) (0.1 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ETFA.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human ETFA.
Sequence	C-QVADYGIVADLFK
Host	Goat
Theoretical MW (kDa)	30
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:8000) Western Blot (0.05-0.2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

ETFA polyclonal antibody (Cat # PAB19028) (0.1 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ETFA

Entrez GeneID[2108](#)**Protein Accession#**[NP_000117.1;NP_001121188.1](#)**Gene Name**

ETFA

Gene Alias

EMA, GA2, MADD

Gene Description

electron-transfer-flavoprotein, alpha polypeptide

Omim ID[231680 608053](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

ETFA participates in catalyzing the initial step of the mitochondrial fatty acid beta-oxidation. It shuttles electrons between primary flavoprotein dehydrogenases and the membrane-bound electron transfer flavoprotein ubiquinone oxidoreductase. Defects in electron-transfer-flavoprotein have been implicated in type II glutaricaciduria in which multiple acyl-CoA dehydrogenase deficiencies result in large excretion of glutaric, lactic, ethylmalonic, butyric, isobutyric, 2-methyl-butyric, and isovaleric acids. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

electron transfer flavoprotein alpha-subunit|electron transfer flavoprotein, alpha polypeptide|glutaric aciduria II

Disease

- [Lipid Metabolism Disorders](#)
- [Muscular Diseases](#)