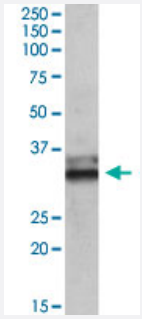
ETFA polyclonal antibody

Catalog # PAB18949 Size 100 ug

Applications



Western Blot (Tissue lysate)

ETFA polyclonal antibody (Cat # PAB18949, 0.1 ug/mL) staining of human colon 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 internal region of human ETFA.
Sequence	C-KSPDTFVRTIYAGN
Host	Goat
Theoretical MW (kDa)	30-35
Reactivity	Human, Mouse, Rat
Specificity	This antibody is expected to recognize both isoforms (NP_000117.1; NP_001121188.1). Amino acid numbering in name refers to NP_000117.1 sequence)
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL 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 shoul d be handled by trained staff only.

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- 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 shut tles electrons between primary flavoprotein dehydrogenases and the membrane-bound electron tr ansfer flavoprotein ubiquinone oxidoreductase. Defects in electron-transfer-flavoprotein have bee n implicated in type II glutaricaciduria in which multiple acyl-CoA dehydrogenase deficiencies res ult in large excretion of glutaric, lactic, ethylmalonic, butyric, isobutyric, 2-methyl-butyric, and isoval eric acids. Two transcript variants encoding different isoforms have been found for this gene. [pro vided by RefSeq
Other Designations	electron transfer flavoprotein alpha-subunit|electron transfer flavoprotein, alpha polypeptide|glutari c aciduria II

Disease

- Lipid Metabolism Disorders
- Muscular Diseases