

For Research Use Only

# ETFB Polyclonal antibody

Catalog Number: 17925-1-AP **7 Publications**



## Basic Information

**Catalog Number:**

17925-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12344

**GenBank Accession Number:**

BC093961

**GeneID (NCBI):**

2109

**UNIPROT ID:**

P38117

**Full Name:**

electron-transfer-flavoprotein, beta polypeptide

**Calculated MW:**

255 aa, 28 kDa

**Observed MW:**

28 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Positive Controls:**

WB: mouse skeletal muscle tissue, human heart tissue, mouse brain tissue, rat brain tissue

IP: mouse brain tissue,

IF: HepG2 cells,

## Background Information

Electron transfer flavoprotein (ETF) exists in the mitochondrial matrix as a heterodimer of 30 kDa alpha subunits (ETFA) and 28 kDa beta subunits (ETFB) and contains 1 flavin adenine dinucleotide (FAD) and 1 adenosine 5-prime monophosphate (AMP) per heterodimer. It serves as a specific electron acceptor for several dehydrogenases, including five acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase. ETFB has 2 isoforms produced by alternative splicing. Defects in ETFB are the cause of glutaric aciduria type 2B (GA2B).

## Notable Publications

Author	Pubmed ID	Journal	Application
Sara García-Gómez	24207056	Mol Cell	WB
Debora Lia	29848661	J Cell Sci	WB
Olga Zurita Rendón	27215383	Mol Cell Biol	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

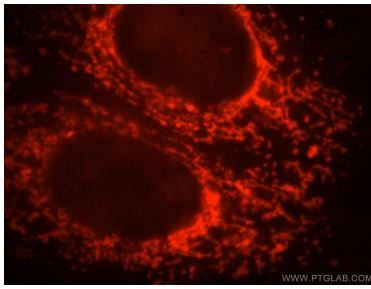
T: 4006900926

E: Proteintech-CN@ptglab.com

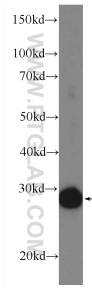
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

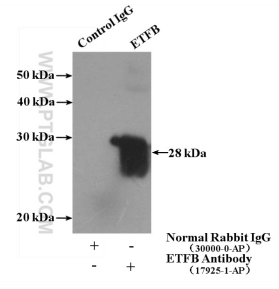
## Selected Validation Data



Immunofluorescent analysis of HepG2 cells, using ETFB antibody 17925-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 17925-1-AP (ETFB Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ETFB (IP:17925-1-AP, 3ug; Detection:17925-1-AP 1:1000) with mouse brain tissue lysate 4000ug.