

For Research Use Only

ETFB Polyclonal antibody

Catalog Number: 17925-1-AP

7 Publications



Basic Information

Catalog Number:

17925-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF/ICC, IP, 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/ICC: 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

*** 20ul sizes contain 0.1% BSA

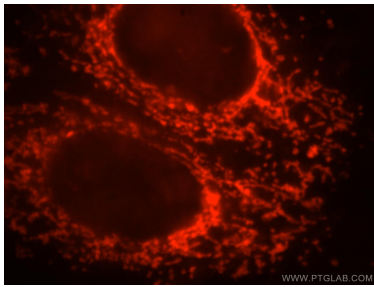
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

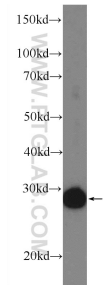
E: proteintech@ptglab.com
W: ptglab.com

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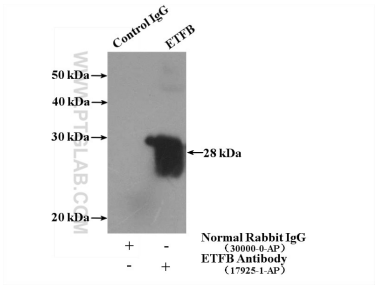
Selected Validation Data



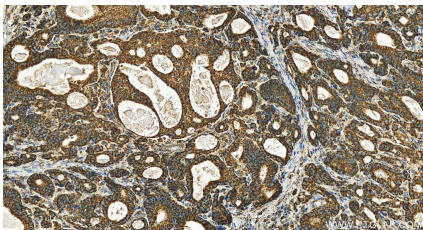
Immunofluorescent analysis of HepG2 cells, using ETFB antibody 17925-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 17925-1-AP (ETFB antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).