


Product datasheet

Anti-ETFB antibody ab104944

[2 References](#) [1 Image](#)

Overview

Product name	Anti-ETFB antibody
Description	Goat polyclonal to ETFB
Host species	Goat
Specificity	ab104944 is expected to recognize both reported isoforms (NP_001976.1; NP_001014763.1).
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Cow, Dog, Pig 
Immunogen	Synthetic peptide corresponding to Human ETFB aa 150-250 (internal sequence). NP_001976.1 Database link: P38117 Run BLAST with Run BLAST with
Positive control	Human, Mouse and Rat Liver lysates
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab104944 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab104944 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 27 kDa (predicted molecular weight: 28 kDa). 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 3 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

The electron transfer flavoprotein serves as a specific electron acceptor for several dehydrogenases, including five acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase. It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase).

Tissue specificity

Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.

Involvement in disease

Glutaric aciduria 2B

Sequence similarities

Belongs to the ETF beta-subunit/FixA family.

Domain

The recognition loop recognizes a hydrophobic patch at the surface of interacting dehydrogenases and acts as a static anchor at the interface.

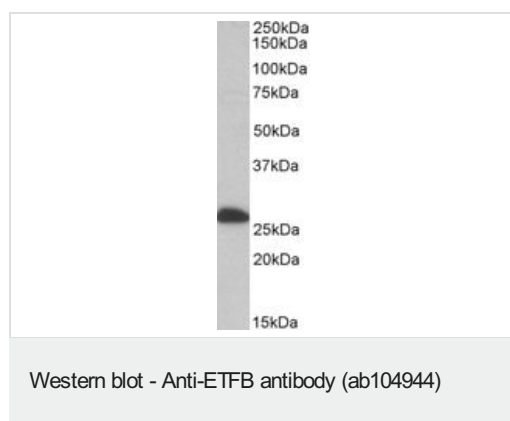
Post-translational modifications

Methylated. Trimethylation at Lys-200 and Lys-203 may negatively regulate the activity in electron transfer from Acyl-CoA dehydrogenases.

Cellular localization

Mitochondrion matrix.

Images



Anti-ETFB antibody (ab 104944) at 0.1 µg/ml + Human Liver lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

Predicted band size: 28 kDa

Primary incubation was 1 hour.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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