

## Rabbit ETFB Polyclonal Antibody | anti-ETFB antibody

ETFB Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA323024</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

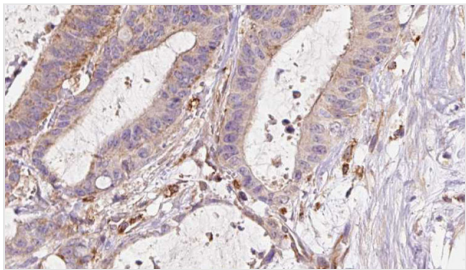
### PRODUCT SYNONYMS

ETFB; Polyclonal Antibody; ETFB Antibody; Beta ETF; Beta-ETF; Electron transfer flavoprotein beta polypeptide; Electron transfer flavoprotein beta subunit; Electron transfer flavoprotein subunit beta; Electron transferring flavoprotein beta polypeptide; etfB; ETFB\_HUMAN; FP585; MADD; anti-ETFB antibody

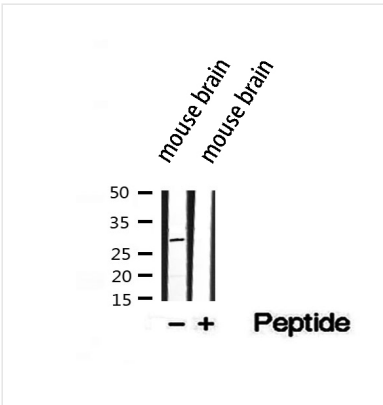
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                            |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                     |
| Reactivity                                     | Human, Mouse, Rat                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                 |
| Isotype                                        | IgG                                                                                                                        |
| Specificity                                    | ETFB antibody detects endogenous levels of ETFB.                                                                           |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                              |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                              |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                     |
| Sequence Length                                | 346                                                                                                                        |
| Applicable Applications for anti-ETFB antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                              |
| Immunogen                                      | A synthesized peptide derived from human ETFB.                                                                             |
| Subcellular Location                           | Mitochondrion Matrix.                                                                                                      |
| Tissue Specificity                             | Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas. |
| Predicted Cross Reactivity                     | <b>Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus</b>                                                          |
| Similarity                                     | Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (91%)          |
| Conjugation                                    | Unconjugated                                                                                                               |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                          |

IMAGES



**IHC (Immunohistochemistry)**  
AAA323024 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis of extracts from mouse brain, using ETFB antibody.

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-ETFb antibody</b> | <p>Function: Heterodimeric electron transfer flavoprotein that accepts electrons from several mitochondrial dehydrogenases, including acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase (PubMed:25416781, PubMed:15159392, PubMed:15975918). It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (Probable). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed:12815589, PubMed:7912128). ETFB binds an AMP molecule that probably has a purely structural role (PubMed:8962055, PubMed:15159392, PubMed:15975918). Subunit Structure: Heterodimer composed of ETFa and ETFB (PubMed:25023281, PubMed:25416781, PubMed:8962055, PubMed:15159392, PubMed:15975918). Identified in a complex that contains ETFa, ETFB and ETFRF1 (PubMed:27499296). Interacts with ACADM (PubMed:15159392, PubMed:15975918). Post-translational Modifications: Methylated. Trimethylation at Lys-200 and Lys-203 may negatively regulate the activity in electron transfer from acyl-CoA dehydrogenases. Similarity: The recognition loop recognizes a hydrophobic patch at the surface of interacting dehydrogenases and acts as a static anchor at the interface. Belongs to the ETF beta-subunit/FixA family.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 62420877                                                        |
| NCBI GeneID                      | 2109                                                            |
| NCBI Accession #                 | NP_001014763.1                                                  |
| NCBI GenBank Nucleotide #        | NM_001014763.1                                                  |
| UniProt Accession #              | P38117; Q6IBH7; Q71RF6; Q9Y3S7; A8K766; B3KNY2                  |
| Molecular Weight                 | Observed: 28 kDa<br>Predicted: 28 kDa                           |
| NCBI Official Full Name          | electron transfer flavoprotein subunit beta isoform 2           |
| NCBI Official Synonym Full Names | electron transfer flavoprotein subunit beta                     |
| NCBI Official Symbol             | ETFb                                                            |
| NCBI Official Synonym Symbols    | MADD; FP585                                                     |
| NCBI Protein Information         | electron transfer flavoprotein subunit beta                     |
| UniProt Protein Name             | Electron transfer flavoprotein subunit beta                     |
| UniProt Gene Name                | ETFb                                                            |
| UniProt Synonym Gene Names       | Beta-ETF1 PublicationManual assertion based on opinion iniRef.1 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/etfb-antibody-immunohistochemistry-western-blot-elisa/323024>