

Rabbit ETFA Polyclonal Antibody | anti-ETFA antibody

ETFA Antibody

CATALOG # AAA323218	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

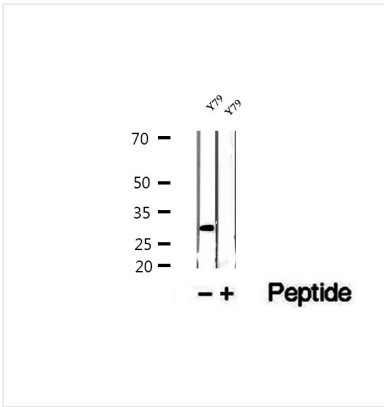
PRODUCT SYNONYMS

ETFA; Polyclonal Antibody; ETFA Antibody; Alpha ETF; Alpha-ETF; Electron transfer flavoprotein alpha polypeptide; Electron transfer flavoprotein alpha subunit; Electron transfer flavoprotein subunit alpha mitochondrial; Electron transfer flavoprotein subunit alpha; mitochondrial; Electron transferring flavoprotein alpha polypeptide; EMA; ETFA_HUMAN; GA2; Glutaric aciduria II; anti-ETFA antibody

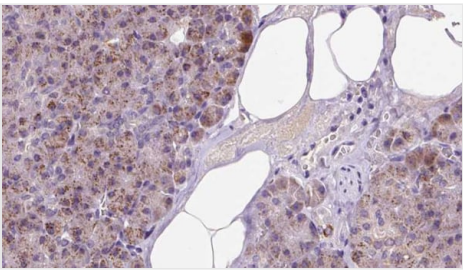
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ETFA antibody detects endogenous levels of ETFA.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	333
Applicable Applications for anti-ETFA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ETFA.
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Horse, Rabbit, Dog, Chicken
Similarity	Pig (91%), Horse (92%), Rabbit (92%), Dog (89%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

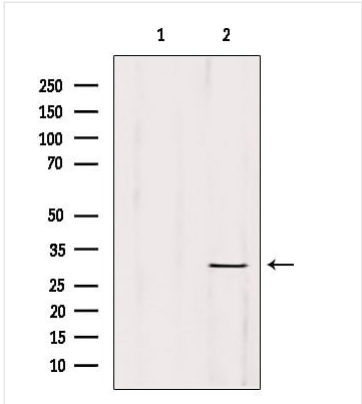
IMAGES



WB (Western Blot)
Western blot analysis of extracts of Y79 cells, using ETFA antibody.



IHC (Immunohiostchemistry)
AAA323218 at 1/100 staining Human pancreas 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 hepg2, using ETFA antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ETF A antibody	Function: Heterodimeric electron transfer flavoprotein that accepts electrons from several mitochondrial dehydrogenases, including acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase (PubMed:27499296, PubMed:15159392, PubMed:15975918, PubMed:9334218, PubMed:10356313). It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase) (PubMed:9334218). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed:12815589, PubMed:1882842, PubMed:1430199). Subunit Structure: Heterodimer composed of ETF A and ETF B (PubMed:8962055, PubMed:15159392, PubMed:15975918, PubMed:9334218). Identified in a complex that contains ETF A, ETF B and ETF RF1 (PubMed:27499296). Interaction with ETF RF1 promotes dissociation of the bound FAD and loss of electron transfer activity (PubMed:27499296). Post-translational Modifications: The N-terminus is blocked. Similarity: Domain I shares an identical polypeptide fold with the beta subunit ETF B though there is no sequence similarity. Belongs to the ETF alpha-subunit/FixB family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503607
NCBI GeneID	2108
NCBI Accession #	NP_000117.1
NCBI GenBank Nucleotide #	NM_000126.3
UniProt Accession #	P13804; Q53XN3; B4DT43

Molecular Weight	Observed: 30 kDa Predicted: 36 kDa
NCBI Official Full Name	electron transfer flavoprotein subunit alpha, mitochondrial isoform a
NCBI Official Synonym Full Names	electron transfer flavoprotein subunit alpha
NCBI Official Symbol	ETFA
NCBI Official Synonym Symbols	EMA; GA2; MADD
NCBI Protein Information	electron transfer flavoprotein subunit alpha, mitochondrial
UniProt Protein Name	Electron transfer flavoprotein subunit alpha, mitochondrial
UniProt Gene Name	ETFA
UniProt Synonym Gene Names	Alpha-ETF

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/etfa-antibody-immunohistochemistry-western-blot-elisa/323218>