

FXN Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6409B

Specification

FXN Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q16595
Other Accession	Q35943
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	23135
Antigen Region	143-172

FXN Antibody (C-term) - Additional Information

Gene ID 2395

Other Names

Frataxin, mitochondrial, Friedreich ataxia protein, Fxn, Frataxin intermediate form, i-FXN, Frataxin(56-210), m56-FXN, Frataxin(78-210), d-FXN, m78-FXN, Frataxin mature form, Frataxin(81-210), m81-FXN, FXN, FRDA, X25

Target/Specificity

This FXN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-172 amino acids from the C-terminal region of human FXN.

Dilution

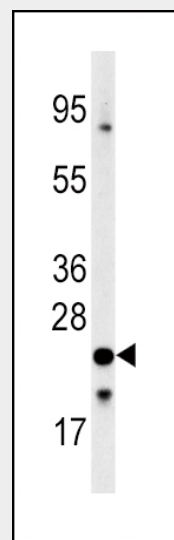
WB~~1:1000
IHC-P~~1:10~50

Format

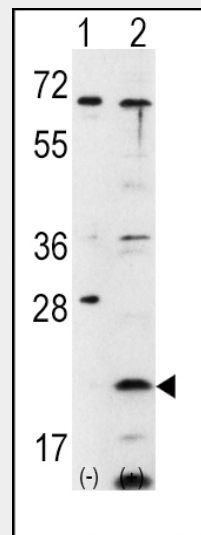
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of anti-FXN Antibody (C-term) (Cat#AP6409b) in 293 cell line lysates (35ug/lane). FXN (arrow) was detected using the purified Pab.



Western blot analysis of FXN (arrow) using rabbit polyclonal FXN Antibody (C-term) (RB12571). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the FXN gene (Lane 2) (Origene Technologies).

Precautions

FXN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FXN Antibody (C-term) - Protein Information

Name FXN

Synonyms FRDA, X25

Function

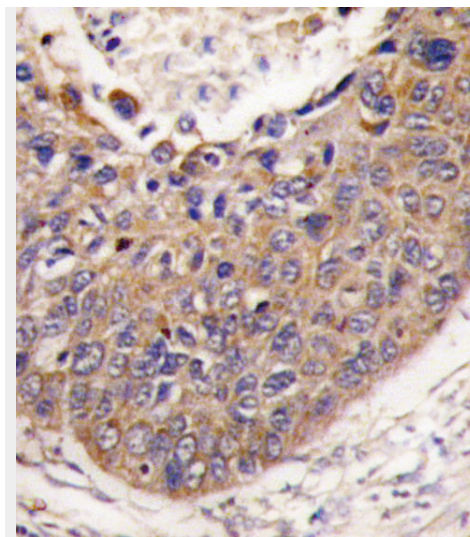
Promotes the biosynthesis of heme and assembly and repair of iron-sulfur clusters by delivering Fe(2+) to proteins involved in these pathways. May play a role in the protection against iron-catalyzed oxidative stress through its ability to catalyze the oxidation of Fe(2+) to Fe(3+); the oligomeric form but not the monomeric form has in vitro ferroxidase activity. May be able to store large amounts of iron in the form of a ferrihydrite mineral by oligomerization; however, the physiological relevance is unsure as reports are conflicting and the function has only been shown using heterologous overexpression systems. Modulates the RNA-binding activity of ACO1.

Cellular Location

Mitochondrion. Cytoplasm, cytosol.
Note=PubMed:18725397 reports localization exclusively in mitochondria.

Tissue Location

Expressed in the heart, peripheral blood lymphocytes and dermal fibroblasts.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with FXN antibody (C-term) (Cat.#AP6409b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

FXN Antibody (C-term) - Background

FXN is a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia.

FXN Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)