

Datasheet for ABIN359003
anti-Frataxin antibody (C-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	Frataxin (FXN)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Frataxin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human FXN.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to FXN.
Purification:	Protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	Frataxin (FXN)
Abstract:	FXN Products

Target Details

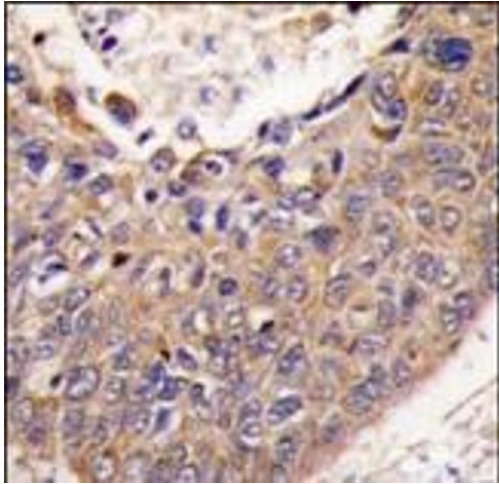
Background:	FXN is a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia.Synonyms: FRDA, Frataxin mitochondrial, Friedreich ataxia protein
Gene ID:	2395, 9606
UniProt:	Q16595
Pathways:	Transition Metal Ion Homeostasis, Regulation of Cell Size

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/10 - 1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

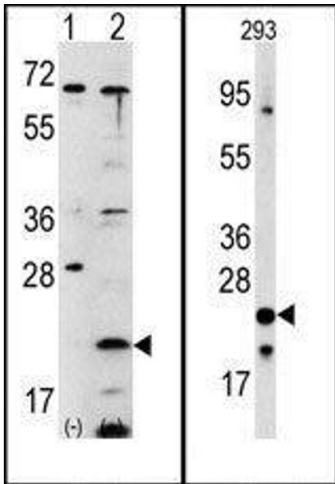
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with FXN antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. (LEFT)Western blot analysis of FXN (arrow) using rabbit polyclonal FXN Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the FXN gene (Lane 2). (RIGHT)Western blot analysis of anti-FXN Antibody (C-term) in 293 cell line lysates (35ug/lane). FXN (arrow) was detected using the purified Pab.