

Datasheet for ABIN390378
anti-Frataxin antibody (AA 72-102)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	Frataxin (FXN)
Binding Specificity:	AA 72-102
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Frataxin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This FXN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-102 amino acids from the Central region of human FXN.
Clone:	RB12541
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Frataxin (FXN)
Alternative Name:	FXN (FXN Products)

Target Details

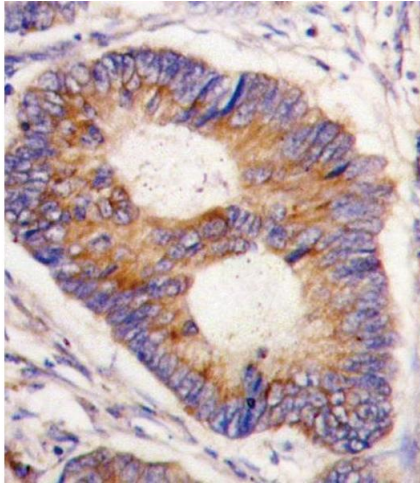
Background:	FXN is a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia.
Molecular Weight:	23135
Gene ID:	2395
NCBI Accession:	NP_000135 , NP_001155178 , NP_852090
UniProt:	Q16595
Pathways:	Transition Metal Ion Homeostasis , Regulation of Cell Size

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

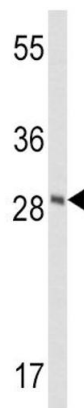
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



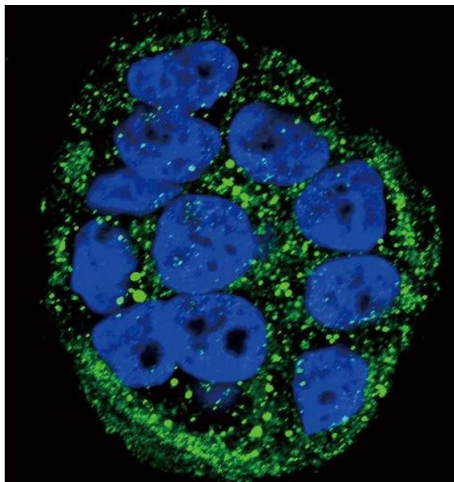
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with FXN antibody (Center) (ABIN390378 and ABIN2840780) , 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.



Western Blotting

Image 2. Western blot analysis of FXN Antibody (Center) (ABIN390378 and ABIN2840780) in CEM cell line lysates (35 µg/lane). FXN (arrow) was detected using the purified Pab.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of FXN Antibody (Center) (ABIN390378 and ABIN2840780) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).