

Datasheet for ABIN6939442  
**anti-Frataxin antibody (AA 57-210)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	100 µg
Target:	Frataxin (FXN)
Binding Specificity:	AA 57-210
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Frataxin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment of human Frataxin (FXN) protein (around aa 57-210) (exact sequence is proprietary)
Clone:	FXN-2124
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	Frataxin (FXN)
Alternative Name:	FXN ( <a href="#">FXN Products</a> )
Background:	Frataxin is a nuclear-encoded mitochondrial protein implicated in Friedreich's ataxia (FRDA), a

## Target Details

human autosomal recessive neurodegenerative disease. Lack of Frataxin causes iron to accumulate in the mitochondrial matrix suggesting that Frataxin is involved in mitochondrial iron homeostasis and possibly in iron transport. Frataxin has an alpha-beta fold consisting of two helices flanking an antiparallel beta sheet.

Molecular Weight: 14kDa

Gene ID: 2395

UniProt: [Q16595](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Regulation of Cell Size](#)

## Application Details

Application Notes: Positive Control: HepG2, Panc-2, HL-60 or HEK293 cells. Pancreas and Liver.  
Known Application: Western Blot (0.5-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

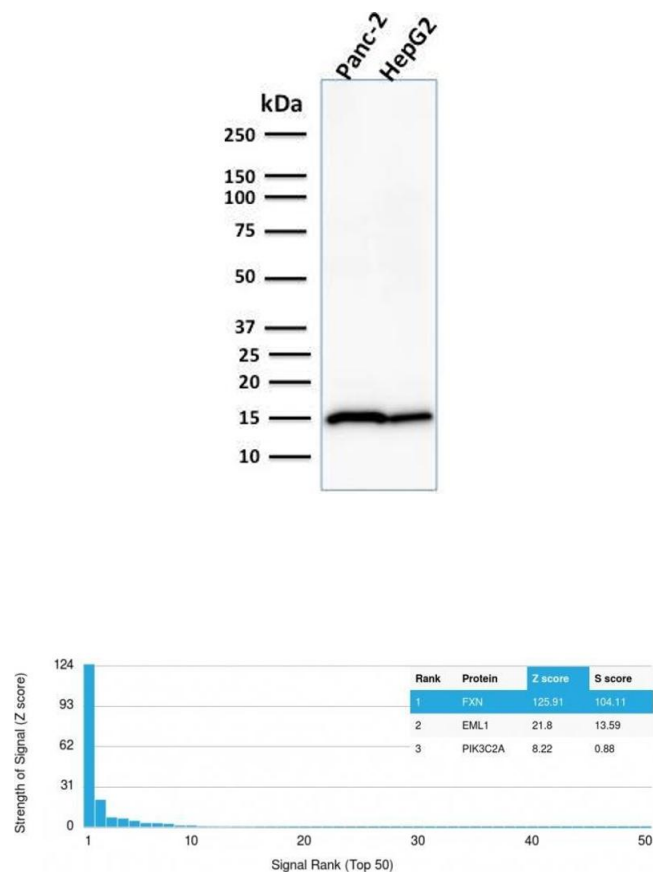
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

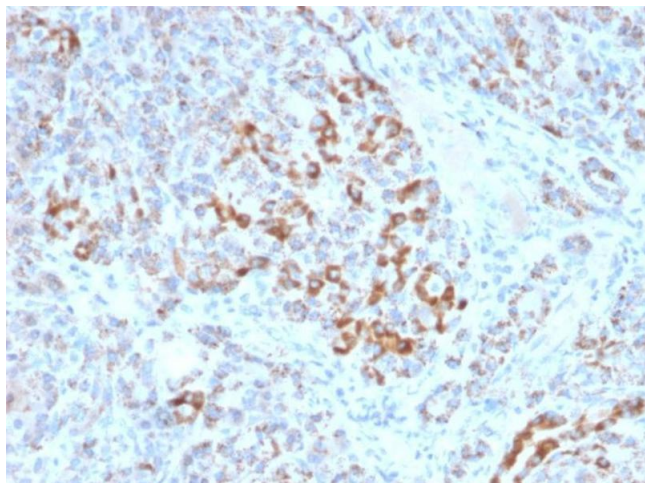


Western Blotting

**Image 1.** Western Blot Analysis of Human Panc-2 and HepG2 cell lysate using Frataxin Mouse Monoclonal Antibody (FXN/2124).

Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using Frataxin Mouse Monoclonal Antibody (FXN/2124). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Pancreas stained with Frataxin Mouse Monoclonal Antibody (FXN/2124).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939442.