

Frataxin (Marker of Friedreich Ataxia) Antibody

Mouse Monoclonal Antibody [Clone FXN/2124]

Catalog No	Format	Size
2395-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2395-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2395-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

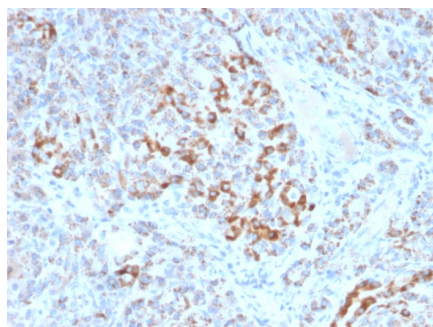
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

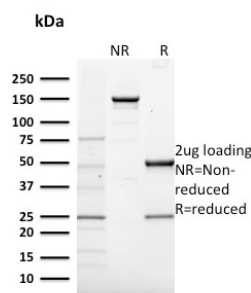
Clone	FXN/2124
Gene Name	FXN
Immunogen	Recombinant fragment of human Frataxin (FXN) protein (around aa 57-210) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	14kDa
Cellular Localization	Cytoplasm, Cytosol, Mitochondrion
Species Reactivity	Human
Positive Control	HePG2, HL-60 or HEK293 cells. Pancreas and Liver., Panc-2

**Optimal dilution for a specific application should be determined.*

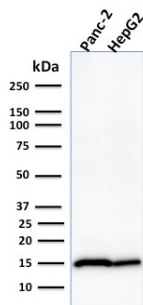
Product Images for Frataxin (Marker of Friedreich Ataxia) Antibody



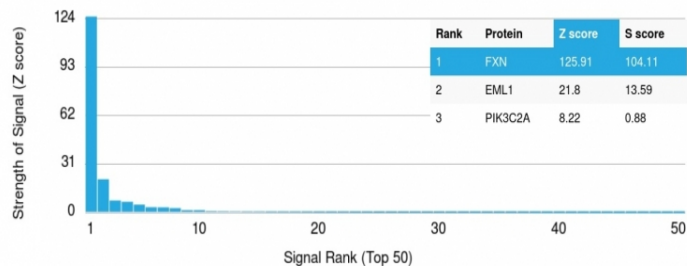
Formalin-fixed, paraffin-embedded human Pancreas stained with Frataxin Mouse Monoclonal Antibody (FXN/2124).



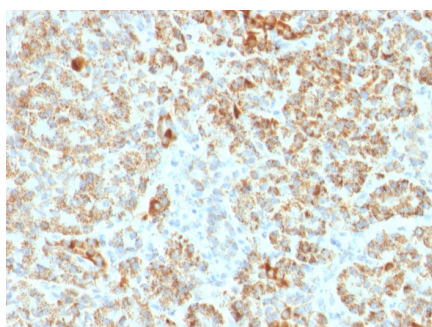
SDS-PAGE Analysis Purified Frataxin Mouse Monoclonal Antibody(FXN/2124). Confirmation of Integrity and Purity of Antibody.



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



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 HuProt™ 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 HuProt™ 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.



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

Specificity & Comments

Frataxin is a nuclear-encoded mitochondrial protein implicated in Friedreich's ataxia (FRDA), a 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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Research Areas

Cardiovascular, Mitochondria Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.