



FXN Mouse mAb

Catalog No	YP-mAb-18443
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FXN FRDA X25
Immunogen	Synthesized peptide derived from human FXN
Specificity	This antibody detects endogenous levels of FXN at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CyaY;d-FXN;FA;FARR;Frataxin mature form;Frataxin(81-21);FRDA;FRDA_HUMAN;Friedreich ataxia protein;Fxn;i-FXN;m56-FXN;m78-FXN;m81-FXN;MGC57199;X25;FXN FRDA X25;Frataxin;mitochondrial (Friedreich ataxia protein) (Fxn) [Cleaved into: 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)]; mitochondrial (Friedreich ataxia protein) (Fxn) [Cleaved into: Frataxin intermediate form (i-FXN)
Observed Band	23kD
Calculated Molecular Weight	23kDa; 23kD(Calculated).
Cell Pathway	Mitochondrion . Cytoplasm, cytosol . PubMed:18725397 reports localization exclusively in mitochondria. .
Tissue Specificity	Expressed in the heart, peripheral blood lymphocytes and dermal fibroblasts.
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.

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images