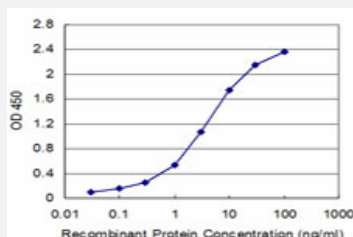


FXN monoclonal antibody (M02), clone 3F3

Catalog # H00002395-M02

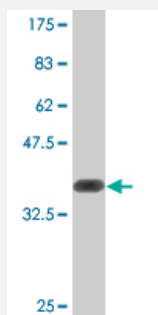
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FXN is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant FXN.

Immunogen

FXN (AAH48097.1, 91 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

DETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGDDLGTIVINKQTPNKQMWL
SSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDL

Host

Mouse

Reactivity

Human

Isotype

IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FXN is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — FXN

Entrez GeneID

[2395](#)

GeneBank Accession#

[NM_000144](#)

Protein Accession#

[AAH48097.1](#)

Gene Name

FXN

Gene Alias

CyaY, FA, FARR, FRDA, MGC57199, X25

Gene Description

frataxin

Omim ID

[229300](#) [606829](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This nuclear gene encodes a mitochondrial protein which belongs to FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

OTTHUMP00000021428

Publication Reference

- [Frataxin-deficient neurons and mice models of Friedreich ataxia are improved by TAT-MTScs-FXN treatment.](#)

Britti E, Delaspre F, Feldman A, Osborne M, Greif H, Tamarit J, Ros J.

Journal of Cellular and Molecular Medicine 2018 Feb; 22(2):834.

Application: WB-Ce, Mouse, Mouse neuron

Disease

- [Cardiomegaly](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Cerebellar Ataxia](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Interview](#)
- [Muscular Atrophy](#)
- [Myocardial Infarction](#)
- [Myotonic dystrophy](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
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- [Spinal muscular atrophy](#)