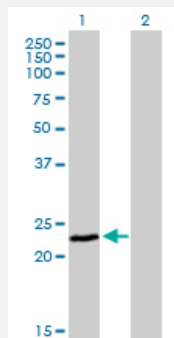


# FXN monoclonal antibody (M03), clone 3G9

Catalog # H00002395-M03

Size 100 ug

## Applications

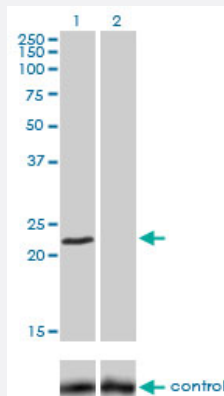


### Western Blot (Transfected lysate)

Western Blot analysis of FXN expression in transfected 293T cell line by FXN monoclonal antibody (M03), clone 3G9.

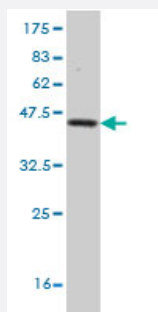
Lane 1: FXN transfected lysate(23.1 kDa).

Lane 2: Non-transfected lysate.



### RNAi Knockdown (Antibody validated)

Western blot analysis of FXN over-expressed 293 cell line, cotransfected with FXN Validated Chimera RNAi ( Cat # H00002395-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with FXN monoclonal antibody (M03), clone 3G9 (Cat # H00002395-M03 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Western Blot detection against Immunogen (37.84 kDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant FXN.

|                                |                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>               | FXN (AAH48097.1, 91 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.   |
| <b>Sequence</b>                | DETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSVFGSGVLTVKLGDDLGTIVINKQTPNKQWL<br>SSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDL |
| <b>Host</b>                    | Mouse                                                                                                              |
| <b>Reactivity</b>              | Human                                                                                                              |
| <b>Isotype</b>                 | IgG1 Kappa                                                                                                         |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.84 KDa) .           |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                  |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                           |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of FXN expression in transfected 293T cell line by FXN monoclonal antibody (M03), clone 3G9.

Lane 1: FXN transfected lysate(23.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of FXN over-expressed 293 cell line, cotransfected with FXN Validated Chimera RNAi ( Cat # H00002395-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with FXN monoclonal antibody (M03), clone 3G9 (Cat # H00002395-M03 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

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## Gene Info — FXN

Entrez GeneID

[2395](#)

|                     |                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GeneBank Accession# | <a href="#">NM_000144</a>                                                                                                                                                                                                                                                                                                                 |
| Protein Accession#  | <a href="#">AAH48097.1</a>                                                                                                                                                                                                                                                                                                                |
| Gene Name           | FXN                                                                                                                                                                                                                                                                                                                                       |
| Gene Alias          | CyaY, FA, FARR, FRDA, MGC57199, X25                                                                                                                                                                                                                                                                                                       |
| Gene Description    | frataxin                                                                                                                                                                                                                                                                                                                                  |
| Omim ID             | <a href="#">229300 606829</a>                                                                                                                                                                                                                                                                                                             |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                        |

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