

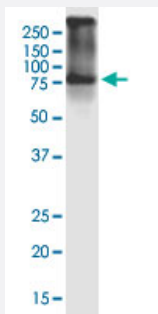
CX Grade

MFN1 monoclonal antibody (M04J), clone 3C9

Catalog # H00055669-M04J

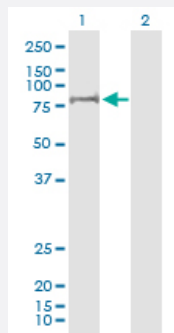
Size 100 ug

Applications



Western Blot (Cell lysate)

MFN1 monoclonal antibody (M04J), clone 3C9. Western Blot analysis of MFN1 expression in K-562.

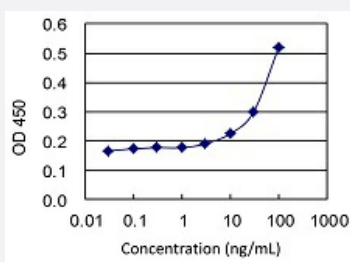


Western Blot (Transfected lysate)

Western Blot analysis of MFN1 expression in transfected 293T cell line by MFN1 monoclonal antibody (M04J), clone 3C9.

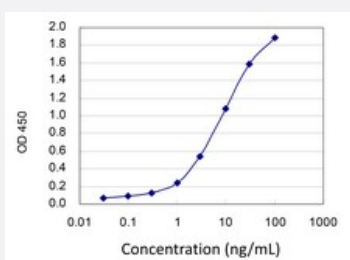
Lane 1: MFN1 transfected lysate (Predicted MW: 84.2 KDa).

Lane 2: Non-transfected lysate.



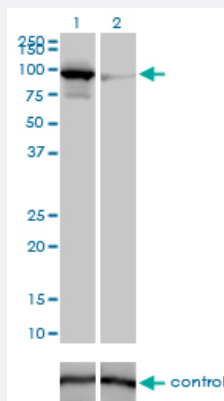
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MFN1 is 3 ng/ml as a capture antibody.



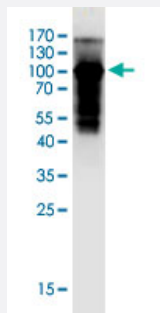
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MFN1 is 0.1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of MFN1 over-expressed 293 cell line, cotransfected with MFN1 Validated Chimera RNAi (Cat # H00055669-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MFN1 monoclonal antibody (M04), clone 3C9 (Cat # H00055669-M04). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (107.25 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant MFN1. This product is belong to Cell Culture Grade Antibody (CX Grade).

Immunogen

MFN1 (AAH40557, 1 a.a. ~ 741 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MAEPVSPLKHFVLAKKAITAIFDQLLEFVTEGSHFVEATYKNPELDRIATEDDLVEMQGYKDKLSIIG
EVLSRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSGIGHITNCFLSVEGTDGDKAYLMTEGSDEK
KSVKTVNQLAHALHMDKDLKAGCLVRVFWPKAKCALLRDDLVLDSPGTDVTELD SWIDKFCL
DADVFLVANSESTLMNTEKHFFHKVNERLSKPNIFILNNRWDASASEPEYMEDVRRQHMERCL
HFLVEELKVVNALAEQNRIFVSAKEVLSARKQKAQGMPESGVALAEGFHARLQEFQNFQIFEE
CISQSAVKTKFEQHTIRAKQILATVKNIMDSVNLA AEDKRHYSVEEREDQIDRLDFIRNQMNLLTLDV
KKKIKEVTEEVANKVSCAMTDEICRLSVLVDFCSEFHPNPDVLKIYKSELNKHIEDGMGRNLADR
CTDEVNALVLQTQQEIIENLKPLLPAQIQDKLHTLIPCKKFDLSYNLNYHKLCSD FQEDVFRFSLGW
SSLVHRFLGPRNAQRVLLGLSEPIFQLPRSLASTPTAPTTPATPDNASQEELMITLV TGLASVTSRT
SMGIIVGGVIWKTIGWKLLSVSLTMYGALYL YERLSWTTHAKERAFKQQFVNYATEKL RMVSS TSA
NCSHQVKQQA TTFARLCQQVDITQKQLEEEIARLPKEIDQLEKIQQNSKLLRNKAVQLENELE NFT
KQFLPSSNEES

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (91); Rat (91)
Preparation Method	Cell Culture Production
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (107.25 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 (Cell lysate)

MFN1 monoclonal antibody (M04J), clone 3C9. Western Blot analysis of MFN1 expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MFN1 expression in transfected 293T cell line by MFN1 monoclonal antibody (M04J), clone 3C9.

Lane 1: MFN1 transfected lysate (Predicted MW: 84.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MFN1 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MFN1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of MFN1 over-expressed 293 cell line, cotransfected with MFN1 Validated Chimera RNAi (Cat # H00055669-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MFN1 monoclonal antibody (M04), clone 3C9 (Cat # H00055669-M04). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — MFN1

Entrez GeneID	55669
GeneBank Accession#	BC040557
Protein Accession#	AAH40557
Gene Name	MFN1
Gene Alias	DKFZp762F247, FLJ20693, MGC41806, hfzo1, hfzo2
Gene Description	mitofusin 1
Omim ID	608506
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting. [provided by RefSeq
Other Designations	mitochondrial transmembrane GTPase FZO-2 mitochondrial transmembrane GTPase Fzo-1 putative transmembrane GTPase

Disease

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)