

MFN1 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant MFN1.

Catalog # AT2850a

Product Information

Application	WB, E
Primary Accession	Q8IWA4
Other Accession	BC040557
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3C9
Calculated MW	84160

Additional Information

Gene ID	55669
Other Names	Mitofusin-1, 365-, Fzo homolog, Transmembrane GTPase MFN1, MFN1
Target/Specificity	MFN1 (AAH40557, 1 a.a. ~ 741 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MFN1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

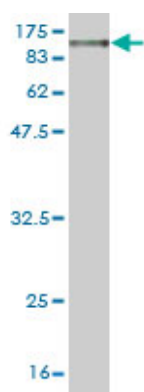
The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting.

References

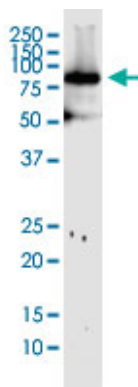
1.A small natural molecule promotes mitochondrial fusion through inhibition of the deubiquitinase USP30.Yue W, Chen Z, Liu H, Yan C, Chen M, Feng D, Yan C, Wu H, Du L, Wang Y, Liu J, Huang X, Xia L, Liu L, Wang X, Jin H, Wang J, Song Z, Hao X, Chen QCell Res. 2014 Feb 11. doi: 10.1038/cr.2014.20.2.Phosphatidic Acid (PA)-Preferring Phospholipase A1 Regulates Mitochondrial Dynamics.Baba T, Kashiwagi Y, Arimitsu N,

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Images

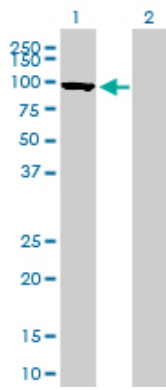


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (107.25 KDa) .



MFN1 monoclonal antibody (M04), clone 3C9. Western Blot analysis of MFN1 expression in HepG2.

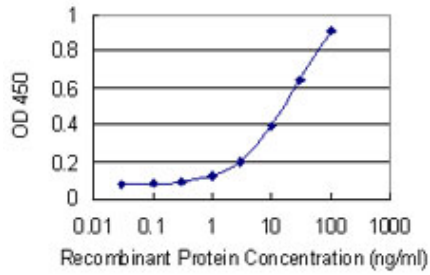
Western Blot analysis of MFN1 expression in transfected



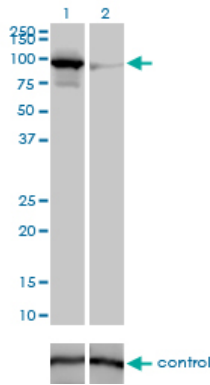
293T cell line by MFN1 monoclonal antibody (M04), clone 3C9.

Lane 1: MFN1 transfected lysate(84.2 kDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged MFN1 is 0.3 ng/ml as a capture antibody.



Western blot analysis of MFN1 over-expressed 293 cell line, cotransfected with MFN1 Validated Chimera RNAi (Cat # AT2850a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.