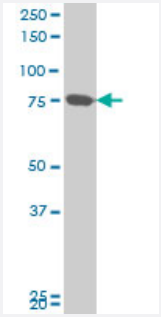
MFN2 monoclonal antibody (M02A), clone 6A2

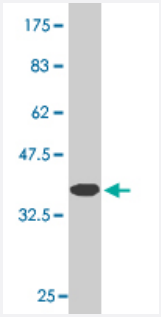
Catalog # H00009927-M02A Size 200 uL

Applications



Western Blot (Cell lysate)

MFN2 monoclonal antibody (M02A), clone 6A2 Western Blot analysis of MFN2 expression in HeLa (Cat # L013V1).



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MFN2.
Immunogen	MFN2 (NP_055689, 661 a.a. ~ 757 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FKRQFVEHASEKLQLVISYTGSNCSHQVQQELSGTFAHLCQQVDVTRENLEQEIAAMNKKIEVLDSLQSKAKLLRNKAGWLDSELNMFTHQYLQPSR
Host	Mouse
Reactivity	Human, Rat

Interspecies Antigen Sequence	Mouse (93); Rat (93)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  MFN2 monoclonal antibody (M02A), clone 6A2 Western Blot analysis of MFN2 expression in HeLa (Cat # L013V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — MFN2

Entrez GeneID	9927
GeneBank Accession#	NM_014874
Protein Accession#	NP_055689
Gene Name	MFN2
Gene Alias	CMT2A, CMT2A2, CPRP1, HSG, KIAA0214, MARF
Gene Description	mitofusin 2
Omim ID	601152 608507 609260
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified. [provided by RefSeq
Other Designations	OTTHUMP00000002509|hyperplasia suppressor|mitochondrial assembly regulatory factor|mitofusin-2|transmembrane GTPase MFN2

Disease

- Charcot-Marie-Tooth Disease
- Genetic Predisposition to Disease
- Glaucoma
- Hereditary Sensory and Motor Neuropathy