

Rabbit anti-Human Mitofusin 1 Monoclonal Antibody | anti-MFN1 antibody

Mitofusin 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312396	Rabbit	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

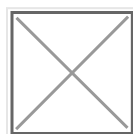
PRODUCT SYNONYMS

Mitofusin 1; Monoclonal Antibody; Mitofusin 1 Antibody; Fzo homolog antibody; Hfzo1 antibody; Hfzo2 antibody; MFN 1 antibody; Mfn1 antibody; MFN1_HUMAN antibody; Mitochondrial transmembrane GTPase Fzo 1 antibody; Mitochondrial transmembrane GTPase FZO 2 antibody; Mitochondrial transmembrane GTPase FZO1B antibody; Mitofusin 1 antibody; Mitofusin-1 antibody; Mitofusin1 antibody; MS996 antibody; Putative transmembrane GTPase antibody; Transmembrane GTPase MFN1 antibody; anti-MFN1 antibody

PRODUCT SPECIFICATIONS

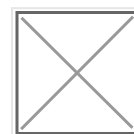
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JF0954
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-MFN1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 293 cells with Mitofusin 1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



WB (Western Blot)

Western blot analysis of Mitofusin 1 on K562 cells lysates using anti-Mitofusin 1 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-MFN1 antibody	Mitofusin 1 (Mfn1) and mitofusin 2 (Mfn2) are homologs for the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins and are mediators of mitochondrial fusion. A GTPase domain is required for Mfn protein function but the molecular mechanisms of the GTPase-dependent reaction as well as the functional division of the two Mfn proteins are unknown. They are essential for embryonic development and may play a role in the pathobiology of obesity. Although the Mfn1 and Mfn2 genes are broadly expressed, they show different levels of expression in different tissues. Two Mfn1 transcripts are elevated in heart, while Mfn2 mRNA is abundantly expressed in heart and muscle tissue but present only at low levels in many other tissues. Mfn1 localizes to mitochondria and participates in at least two different high molecular weight protein complexes in a GTP-dependent manner. Purified recombinant Mfn1 exhibited approximately eightfold higher GTPase activity than Mfn2.
Product Categories/Family for anti-MFN1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	45269137
NCBI GeneID	55669
NCBI Accession #	NP_284941
NCBI GenBank Nucleotide #	NM_033540.2
UniProt Accession #	Q8IWA4; O15323; O60639; Q9BZB5; Q9NWX2; B2RAR1; D3DNR6
Molecular Weight	Predicted: 82 kDa Observed: 83 kDa
NCBI Official Full Name	mitofusin-1
NCBI Official Synonym Full Names	mitofusin 1
NCBI Official Symbol	MFN1
NCBI Official Synonym Symbols	hfzo1; hfzo2
NCBI Protein Information	mitofusin-1; fzo homolog; transmembrane GTPase MFN1; putative transmembrane GTPase; mitochondrial transmembrane GTPase FZO-2; mitochondrial transmembrane GTPase Fzo-1
UniProt Protein Name	Mitofusin-1
UniProt Gene Name	MFN1
UniProt Entry Name	MFN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mitofusin-1-antibody-clone-jf0954-flow-cytometry-immunoprecipitation-western-blot-elisa/312396>