

Rabbit MFN1 Polyclonal Antibody | anti-MFN1 antibody

MFN1 Antibody

CATALOG # AAA40776	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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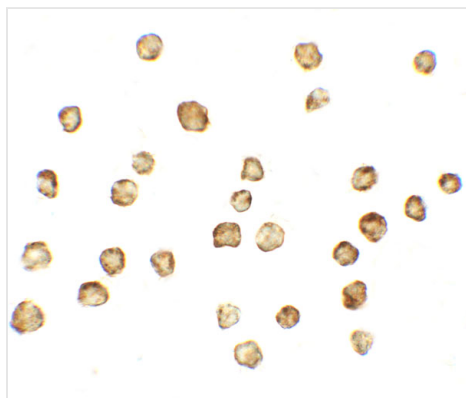
PRODUCT SYNONYMS

MFN1; Polyclonal Antibody; MFN1 Antibody; hfzo1; hfzo2; Mitofusin-1; Fzo homolog; mitofusin 1; anti-MFN1 antibody

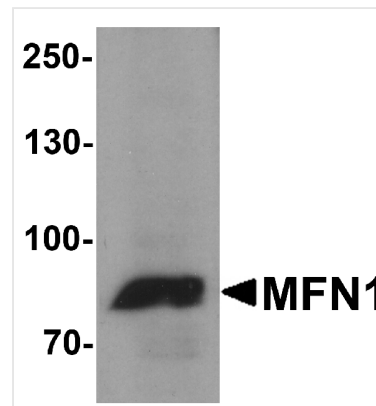
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MFN1 antibody is human, mouse and rat reactive. MFN1 antibody is predicted to not cross-react with MFN2.
Purity/Purification	MFN1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	741
Applicable Applications for anti-MFN1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MFN1 antibody was raised against a 17 amino acid peptide near the amino terminus of human MFN1.
Buffer	MFN1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MFN1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of MFN1 in A431 cells with MFN1 antibody at 5 µg/mL.


WB (Western Blot)

Western blot analysis of MFN1 in A431 cell lysate with MFN1 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MFN1 antibody	Mitofusin 1 (MFN1) and the related protein MFN2 are mitochondrial membrane GTPase proteins that play a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes (1,2). MFN1 and MFN2 form homotypic and heterotypic complexes and coordinately regulate mitochondrial fusion and are essential for embryonic development (3). When ectopically expressed, MFN1 inhibits the apoptosis-associated amino-terminal conformation change in the apoptotic protein Bax but not its mitochondrial translocation, indicating that MFN1 is involved in the regulating the activation of Bax on the outer mitochondrial membrane (4).
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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; Q9NWQ2; 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/polyclonal/mfn1-antibody-immunocytochemistry-western-blot-elisa/40776>