

Rabbit anti-Human, Rat Mitofusin 2 Polyclonal Antibody | anti-MFN2 antibody

Mitofusin 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312105	Rabbit	Human, Rat	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

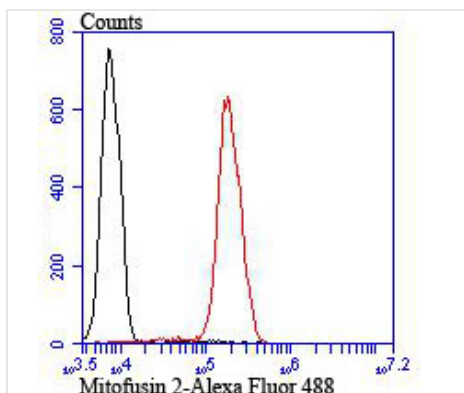
PRODUCT SYNONYMS

Mitofusin 2; Polyclonal Antibody; Mitofusin 2 Antibody; CMT2A antibody; CMT2A2 antibody; CPRP 1 antibody; CPRP1 antibody; EC 3.6.5.- antibody; Fzo antibody; HSG antibody; hyperplasia suppressor gene antibody; Hypertension related protein 1 antibody; KIAA0214 antibody; MARF antibody; MFN 2 antibody; Mfn2 antibody; MFN2_HUMAN antibody; Mitochondrial assembly regulatory factor antibody; Mitofusin-2 antibody; Mitofusin2 antibody; Transmembrane GTPase MFN2 antibody; anti-MFN2 antibody

PRODUCT SPECIFICATIONS

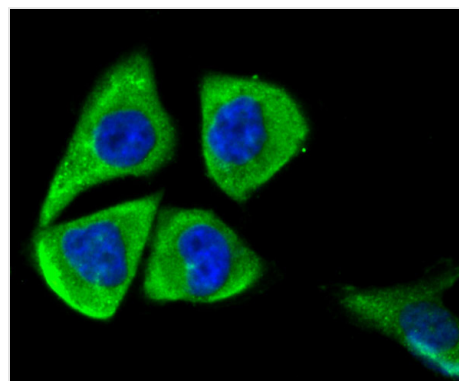
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Protein affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-MFN2 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



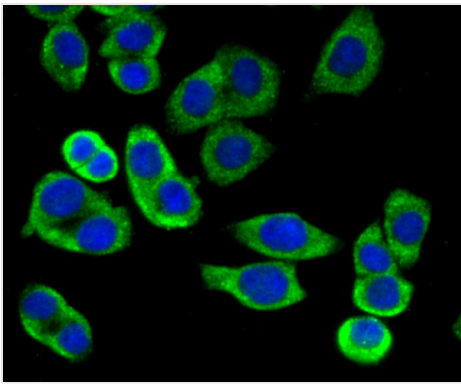
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Jurkat cells with Mitofusin 2 antibody at 1/100 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.



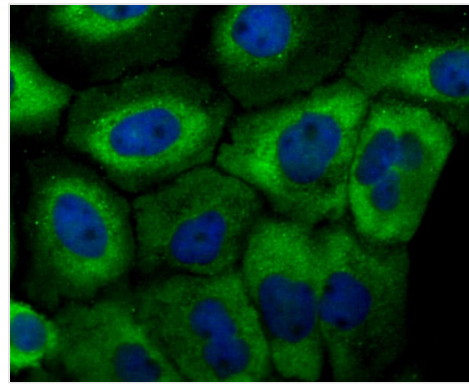
ICC (Immunocytochemistry)

ICC staining Mitofusin 2 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



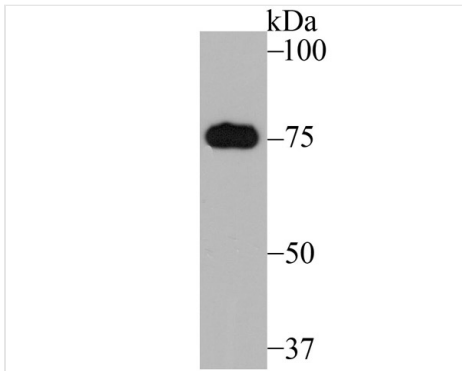
ICC (Immunocytochemistry)

ICC staining Mitofusin 2 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Mitofusin 2 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of Mitofusin 2 on Rat heart tissue lysates using anti-Mitofusin 2 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-MFN2 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-MFN2 antibody

[Total protein Ab](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662004
NCBI GeneID	9927
NCBI Accession #	NP_055689
NCBI GenBank Nucleotide #	NM_014874.3
UniProt Accession #	O95140 ; O95572 ; Q5JXC3 ; Q5JXC4 ; Q9H131 ; Q9NSX8 ; A8K1B3
Molecular Weight	Predicted: 83 kDa
	Observed: 90 kDa

NCBI Official Full Name	mitofusin-2
NCBI Official Synonym Full Names	mitofusin 2
NCBI Official Symbol	MFN2
NCBI Official Synonym Symbols	HSG; MARF; CMT2A; CPRP1; CMT2A2
NCBI Protein Information	mitofusin-2; hyperplasia suppressor; transmembrane GTPase MFN2; mitochondrial assembly regulatory factor
UniProt Protein Name	Mitofusin-2
UniProt Gene Name	MFN2
UniProt Synonym Gene Names	CPRP1; KIAA0214
UniProt Entry Name	MFN2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/mitofusin-2-antibody-flow-cytometry-immunocytochemistry-western-blot-elisa/312105>