

Rabbit Mitofusin 2 Polyclonal Antibody | anti-MFN2 antibody

Mitofusin 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75906	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

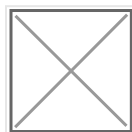
PRODUCT SYNONYMS

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

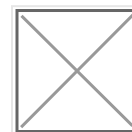
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.6 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	757
Applicable Applications for anti-MFN2 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 543-593 on human Mitofusin 2 protein.
Immunoglobulin	IgG
Expression	Ubiquitous; expressed at low level. Highly expressed in heart and kidney.
Molecular Function	Hydrolase; GTP-binding, Nucleotide binding
Structure	Belongs to the TRAFAC class dynamin-like GTPase superfamily. Dynamin/Fzo/YdjA famil. Mitofusin subfamily. Contains 1 dynamin-type G (guanine nucleotide-binding) domain.
Subcellular Location	Mitochondrion outer membrane; Multi-pass membrane protein
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MFN2 antibody	Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. MFN2 acts independently of the cytoskeleton. It therefore plays a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes. Overexpression induces the formation of mitochondrial networks. Plays an important role in the regulation of vascular smooth muscle cell proliferation. Involved in the clearance of damaged mitochondria via selective autophagy (mitophagy). Is required for PARK2 recruitment to dysfunctional mitochondria. Involved in the control of unfolded protein response (UPR) upon ER stress including activation of apoptosis and autophagy during ER stress. Acts as an upstream regulator of EIF2AK3 and suppresses EIF2AK3 activation under basal conditions.
Product Categories/Family for anti-MFN2 antibody	Primary Antibodies; Cell Biology; Organelles; Mitochondria; Mitofusin 2 Antibody

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	50,041 Da
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; HMSN6A
NCBI Protein Information	mitofusin-2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mitofusin-2-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/75906>