

Rabbit anti-Human MFN2 Polyclonal Antibody | anti-MFN2 antibody

MFN2 Antibody

CATALOG # AAA232582	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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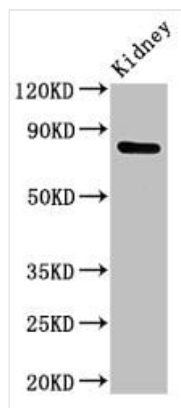
PRODUCT SYNONYMS

MFN2; Polyclonal Antibody; MFN2 Antibody; Mitofusin-2; Transmembrane GTPase MFN2; CPRP1; KIAA0214; anti-MFN2 antibody

PRODUCT SPECIFICATIONS

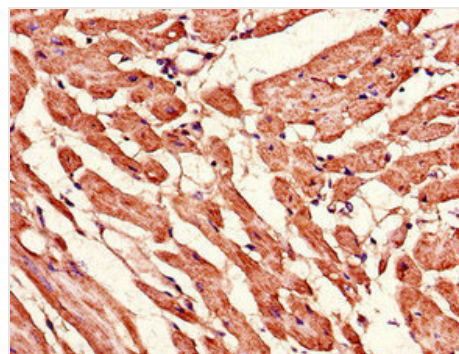
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	757
Applicable Applications for anti-MFN2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Mitofusin-2 protein (61-158AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-30366 / sc-50331
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



WB (Western Blot)

Western BlotPositive WB detected in: Rat kidney tissueAll lanes: MFN2 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 89,51 KDaObserved band size: 89 KDa



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human heart tissue using AAA232582 at dilution of 1:100

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189083768
NCBI GeneID	9927
NCBI Accession #	NP_001121132.1
NCBI GenBank Nucleotide #	NM_001127660.1
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; CMT2A2A; CMT2A2B
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/mfn2-antibody-immunohistochemistry-elisa/232582>