

Rabbit MFN2 Polyclonal Antibody | anti-MFN2 antibody

MFN2 Polyclonal Antibody

CATALOG # AAA281121	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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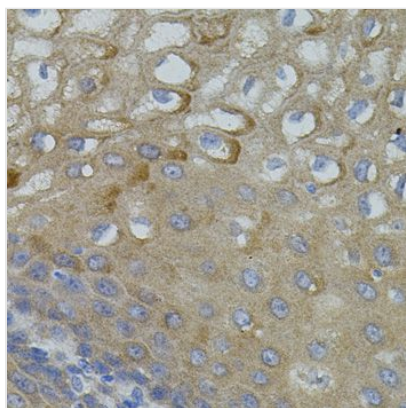
PRODUCT SYNONYMS

MFN2; Polyclonal Antibody; MFN2 Polyclonal Antibody; CMT2A; CMT2A2; CMT2A2A; CMT2A2B; CPRP1; HMSN6A; HSG; MARF; anti-MFN2 antibody

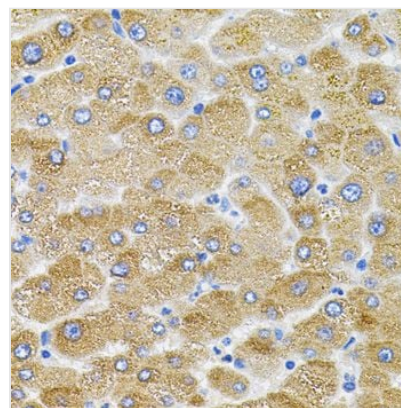
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	QVQQELSGTF AHLCCQVDIT RDNLEQEIAA MNKKVEALDS LQSRAKLLRN KAGWLDSELN MFTHQYLQPS R
Sequence Length	757
Applicable Applications for anti-MFN2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of mouse MFN2
Immunogen Species	Mouse
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Mitochondrion outer membrane, Multi-pass membrane protein
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

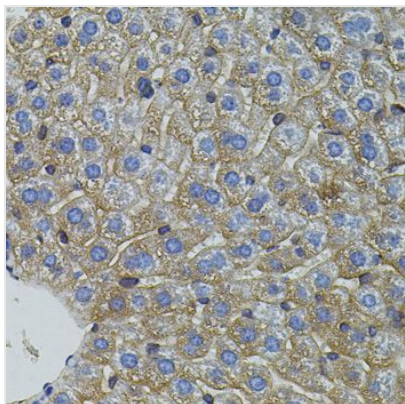
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using MFN2 antibody (40x lens).

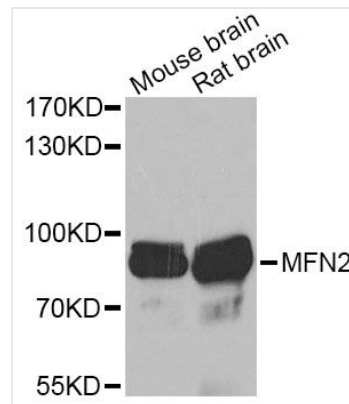

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using MFN2 antibody (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse liver using MFN2 antibody (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MFN2 Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-MFN2 antibody	This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified.
Product Categories/Family for anti-MFN2 antibody	Polyclonal Antibodies

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	Calculated: 68kDa; 86kDa Observed: 86kDa
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

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.

