

Rabbit MFN2 Polyclonal Antibody | anti-MFN2 antibody

MFN2 Antibody

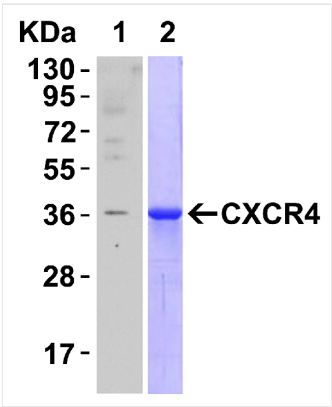
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40736	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

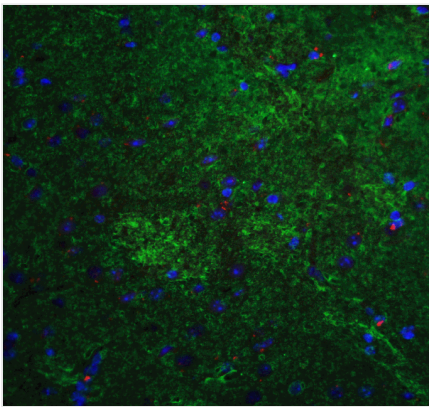
MFN2; Polyclonal Antibody; MFN2 Antibody; HSG; MARF; CMT2A; CPRP1; CMT2A2; KIAA0214; Mitofusin-2; Transmembrane GTPase MFN2; mitofusin 2; anti-MFN2 antibody

PRODUCT SPECIFICATIONS

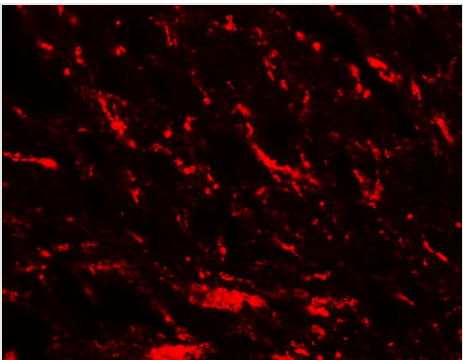
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MFN2 antibody is human, mouse and rat reactive. At least three isoforms of MFN2 are known to exist. MFN2 antibody is predicted to not cross-react with MFN1.
Purity/Purification	MFN2 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	757
Applicable Applications for anti-MFN2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MFN2 antibody was raised against a 17 amino acid peptide near the center of human MFN2.
Buffer	MFN2 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MFN2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.



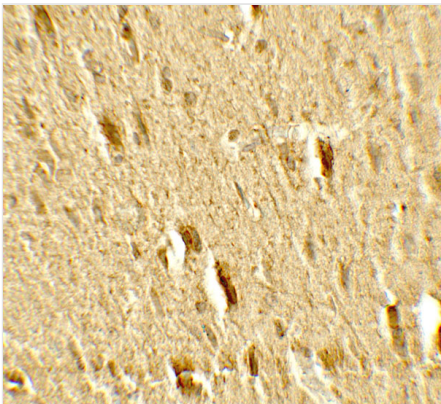
IHC (Immunohistochemistry)
Immunohistochemistry of MFN2 in mouse brain tissue with MFN2 antibody at 5 μg/mL.



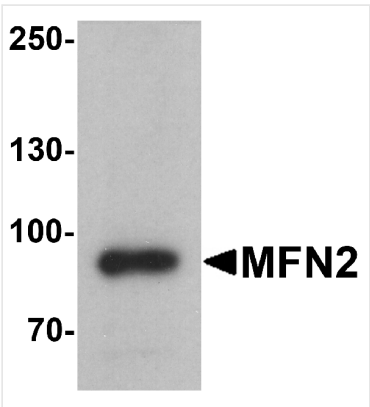
IF (Immunofluorescence)
Immunofluorescence of MFN2 in mouse brain tissue with MFN2 antibody at 20 μg/mL. Green: MFN2 antibody (7863) Red: Phalloidin staining Blue: DAPI staining



IF (Immunofluorescence)
Immunofluorescence of MFN2 in rat brain tissue with MFN2 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of MFN2 in rat brain tissue with MFN2 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of MFN2 in human brain tissue lysate with MFN2 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MFN2 antibody

Mitofusin 2 (MFN2) and the related protein MFN1 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). MFN2 is ubiquitously expressed, and found in both the ER and outer mitochondrial membrane. MFN2 has two key domains: a coiled coil region that mediates MFN2 binding and a GTPase domain that likely plays a role in fusion (3,4). Both domains are essential for embryonic development and may play a role in the pathobiology of obesity. Overexpression of MFN2 causes mitochondrial dysfunction and cell death (5).

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://www.aaabiotech.com/polyclonal/mfn2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40736>