

Mouse Mitofusin-2 Monoclonal Antibody | anti-Mfn2 antibody

Mitofusin-2 Monoclonal Antibody

CATALOG # AAA47868	HOST Mouse	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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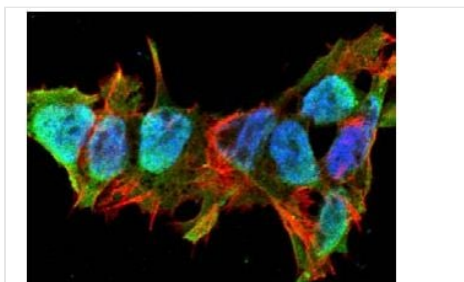
PRODUCT SYNONYMS

Mitofusin-2; Monoclonal Antibody; Mitofusin-2 Monoclonal Antibody; anti-Mfn2 antibody

PRODUCT SPECIFICATIONS

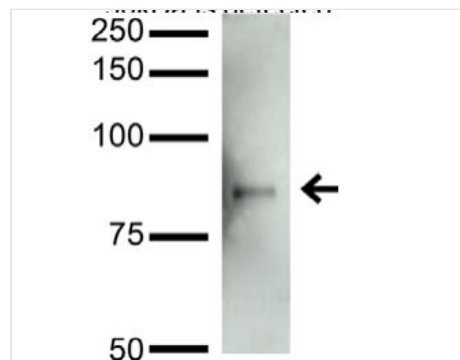
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Specificity	This antibody recognizes human, mouse, and rat Mitofusin-2. It does not crossreact with Mitofusin-1.
Form/Format	100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.
Sequence Length	757
Applicable Applications for anti-Mfn2 antibody	IF (Immunofluorescence), IB (Immunoblot)
Immunogen	Fusion protein corresponding to aa 370-600 (cytoplasmic N-terminus) of mouse Mitofusin-2. This sequence is 97% identical to rat, 92% identical to human, and ~55% identical to Mitofusin-1.

IMAGES



Application Data

Detection of Mitofusin-2 in neuroblastoma cell line SK-N-BE at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) Mitofusin-2 stain.



Application Data

Detection of Mitofusin-2 in rat brain lysate at 5ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-Mfn2 antibody

Mitofusin-2 (Mfn2) is 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, both of which are 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	120407048
NCBI GeneID	170731
NCBI Accession #	NP_573464.2
NCBI GenBank Nucleotide #	NM_133201.3
UniProt Accession #	Q80U63; Q3V3B8; Q80WP4; Q80XK3; Q8BHF0; Q8BKV5; Q8R535; Q923X2; A2A7Y7; A8Y5E4
Molecular Weight	68,938 Da
NCBI Official Full Name	mitofusin-2
NCBI Official Synonym Full Names	mitofusin 2
NCBI Official Symbol	Mfn2
NCBI Official Synonym Symbols	Fzo; D630023P19Rik
NCBI Protein Information	mitofusin-2
UniProt Protein Name	Mitofusin-2
UniProt Gene Name	Mfn2
UniProt Synonym Gene Names	Kiaa0214; Marf; HSG protein

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/monoclonal/mitofusin-2-antibody-immunofluorescence-immunoblot-elisa/47868>