MFN2 rabbit monoclonal antibody

Catalog # H00009927-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human MFN2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human MFN2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human MFN2 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — MFN2

Entrez GeneID	9927
GeneBank Accession#	MFN2
Gene Name	MFN2
Gene Alias	CMT2A, CMT2A2, CPRP1, HSG, KIAA0214, MARF
Gene Description	mitofusin 2
Omim ID	601152 608507 609260
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000002509|hyperplasia suppressor|mitochondrial assembly regulatory factor|mitofusin-2|transmembrane GTPase MFN2

Disease

- Charcot-Marie-Tooth Disease
- Genetic Predisposition to Disease
- Glaucoma
- Hereditary Sensory and Motor Neuropathy