

MFN2 Antibody

Catalog No: #33015

Package Size: #33015-1 50ul #33015-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

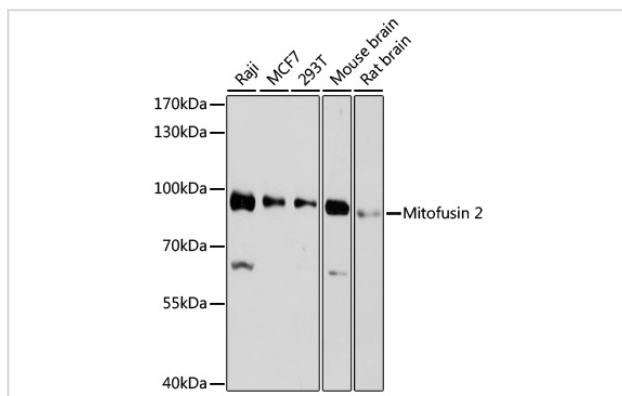
Description

Product Name	MFN2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total MFN2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human MFN2.
Target Name	MFN2
Other Names	HSG; MARF; CMT2A; CPRP1; CMT2A2
Accession No.	Swiss-Prot:O95140NCBI Gene ID:9927
Uniprot	O95140
GeneID	9927;
SDS-PAGE MW	86KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

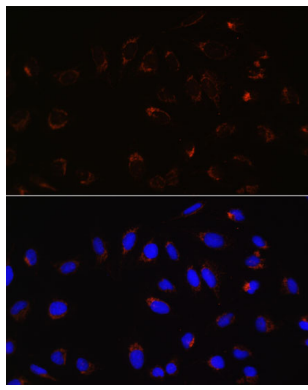
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200 IP □ 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using Mitofusin 2 at 1:1000 dilution.



Immunofluorescence analysis of U-2 OS cells using MFN2 at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

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.

Note: This product is for in vitro research use only